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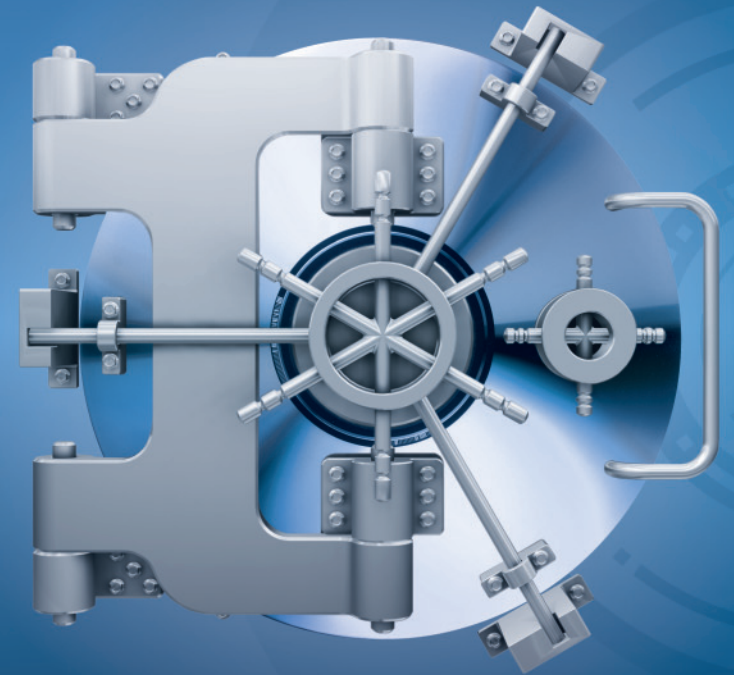
+49 (0) 228 / 97 97 70



office@incom.de



www.incom.de





HDCVI PRODUCT SELECTION | 2020 Ver. 1

HDCVI Cameras / PTZ / Recorders / Accessories / Video Management Software / DORI Distance



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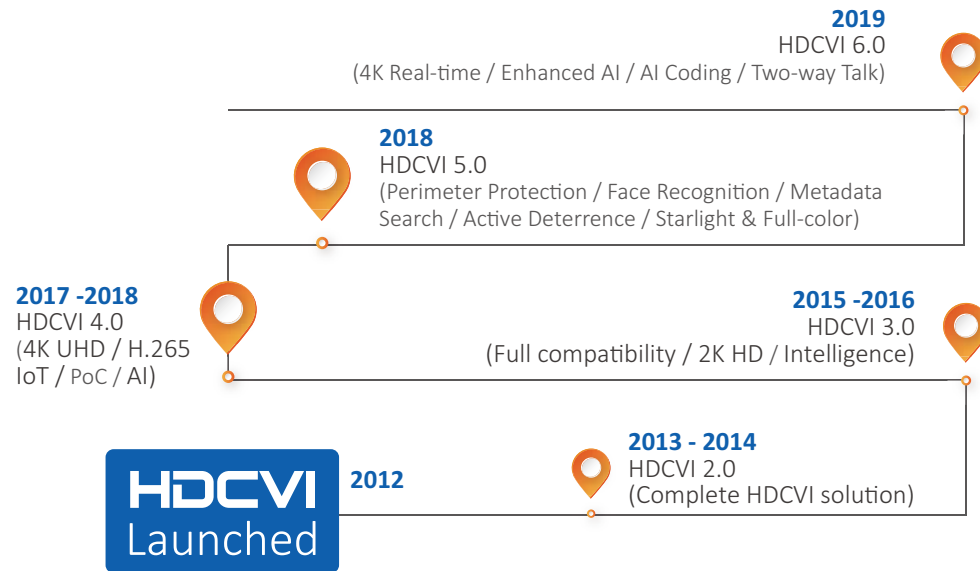
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ACCESSORIES / DISPLAY & CONTROL /
VIDEO MANAGEMENT SOFTWARE /
DORI DISTANCE(D/O/R/I)



HDCVI TECHNOLOGY



In 2012, Dahua led the industry in launching HDCVI Technology and continues to enhance its technology leadership by bringing state of the art performance in terms of resolution, light sensitivity, intelligence, and usability to the HDCVI community. With a mission of “Enabling a safer society and smarter living”, Dahua Technology will keep on providing more opportunities to customers, and will continue to improve its services with innovations and technological advancements.

“ HDCVI is an over-coaxial cable video transmission standard that provides reliable long-distance HD video transmission for a wide range of application scenarios at a friendly cost. Its main benefits include: ”



4 Signals

Video/Audio/Data/Power over one cable



High Resolution

4K/6MP/5MP/4MP
1080P/720P



Long Distance

Long distance transmission:
Coaxial Cable: Up to 1200m
UTP: Up to 450m



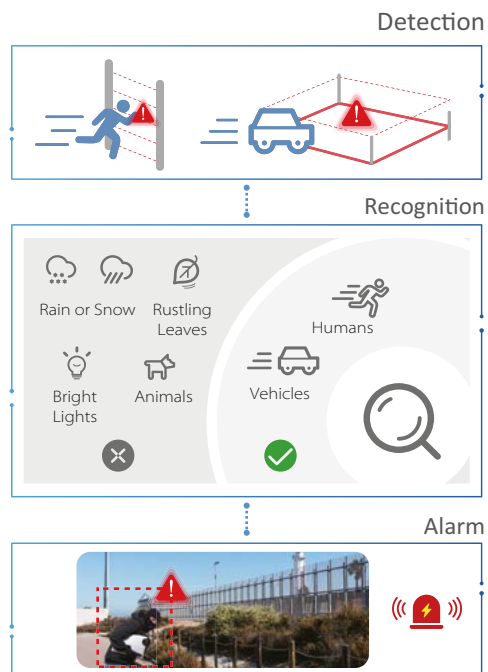
Seamless Upgrade

Compatible with existing coaxial cables to protect your investment.
Penta-brid (HDCVI/AHD/TVI/CVBS/IP)
Seamless upgrade from traditional analog systems

HDCVI-AI

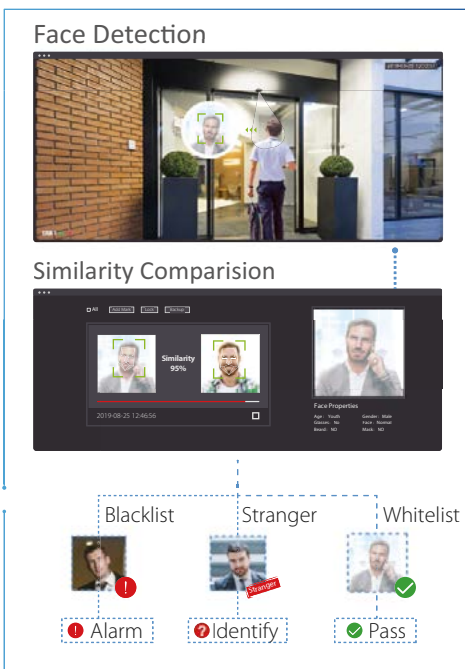
AI series products adopt the most advanced AI technologies, including deep learning algorithm that primarily targets people and vehicles, providing higher flexibility and accuracy to end-users. Beyond seeing the world, the power of AI allows devices to perceive the environment and to understand the world in a better way.

Perimeter Protection



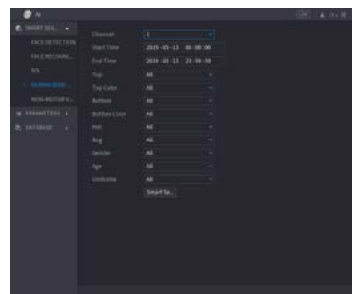
- Perimeter protection based on configurable motion detection, tripwire and intrusion rules. It sends alarm to users when unwanted movements occur.
- Reduces false alarms with intelligent analysis, allowing users to focus on real threats like human and vehicle.
- Filters out less important objects including animals, insects, leaves, light, rain, etc in order to avoid unnecessary actions.

Face Recognition



- Sets blacklist to identify suspects among huge crowd and to simultaneously send alarms.
- Sets whitelist to allow authorized persons to pass, replacing manual checking at the entrance.
- Distinguishes strangers and sounds the alarm when an intruder enters the restricted area.
- Supports up to 24 pic/s face recognition and 20 database with up to 100,000 face images, which fully guarantees recognition accuracy and process efficiency.

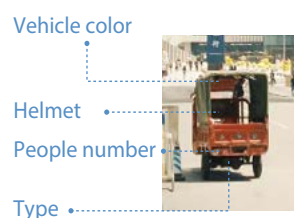
Metadata Search



Vehicle



Human Face



Non-motor Vehicle



Human Body

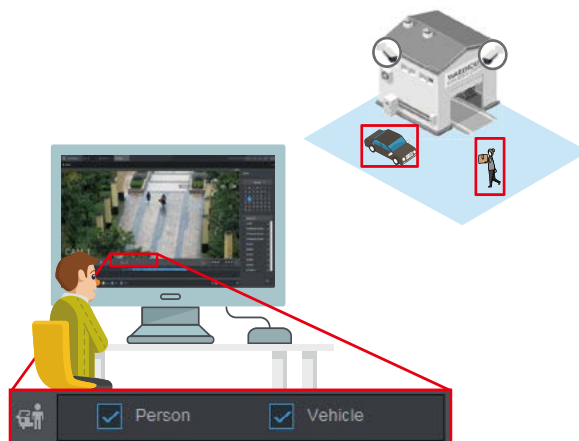
- Target object modeling with human face, human body, vehicle and non-motor vehicle attributes.
- Target search with attributes, enhancing search accuracy and efficiency.
- Provides metadata to platforms, allowing potential third-party business applications.

SMD Plus



	SMD		SMD Plus	
Scenario Description	Outdoor (Entrance & Exit)		Indoor (Office)	
Time	Daytime		Daytime	
Sensitivity	High	High	High	High
False Alarm Rate	5%	4%	Nonsupport	0%
False Negatives Rate	0%	0%	Nonsupport	0%
Accuracy Rate	95%	96%	Nonsupport	100%

False Alarm Filter



Quick Target Search

- Embedded AI chip with deep learning algorithm that provides 10 times computing power upgrades the full channel SMD Plus function with up to 95% accuracy.
- Sends alarms only when a person or vehicle has been detected, and filters out false alarms caused by light and leaves, making it applicable for both indoor and outdoor scenarios.
- Person and Vehicle playback options for speedy target search, saving event searching time.

4K Real-time

4K Real-time, one of the core values of the brand-new HDCVI 6.0, is a unique and leading technology in HD-over-Coax market. It restores the monitoring scene with 25/30fps for a better visual experience, and offers superior clarity in collecting even tiny details.



• 4K Real-time



• 4K Non-real time

Full-color

Full-color camera provides 24/7 color monitoring for collecting chromatic information, significantly increasing probability of gathering valid human, vehicle, and event evidence, offering useful materials for further intelligent analysis. Full-color camera perfectly meets the requirements in low-light monitoring environments, such as parking lots, urban streets, shops, etc.



Non-Starlight

Starlight

Full-color

H.265+

HDCVI-H.265+ technology, an intelligent video compression algorithm developed by Dahua, has been released with the goal of broadening the application scope of 4K/4MP UHD devices in the video surveillance industry. HDCVI-H.265+ smart codec can save up to 90% on bandwidth and video storage usage while ensuring high image quality.

H.265+

An encoding technology that enhances video compression ratios to reduce storage usage.

Advanced Bit Rate Control

Scene adaptive encoding strategy

Video Encoding Based on Video Content Analytics

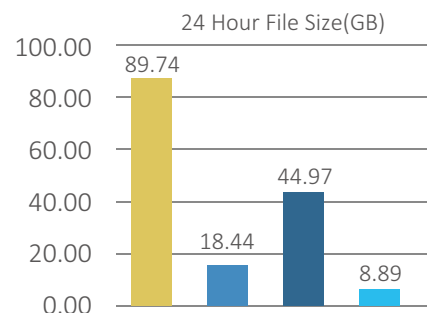
Dynamic ROI & dynamic GOP
Flexible reference frame structure

Noise Suppression Technology

Adopts various noise reduction levels

24 Hour Testing

In a day of testing, HDCVI-H.265+ saved up to 90% storage space on average compared with H.264.



Up to 90% Savings!

Testing environment

Resolution : 4K@15fps
Scenario : Outdoor
Test time : 24 hour

Panorama

The new HDCVI 4K series offers panoramic cameras that can be used over existing coaxial cable infrastructure for the first time ever, enabling a cost-effective solution for large area surveillance by simply upgrading the existing infrastructure.

- Multi-sensor model offers 180° panoramic view & simultaneous 3x2MP images.



Panorama

- 8MP Fisheye with 360° panoramic view and 10 dewarping modes on XVR or VMS is the perfect choice for large area surveillance.



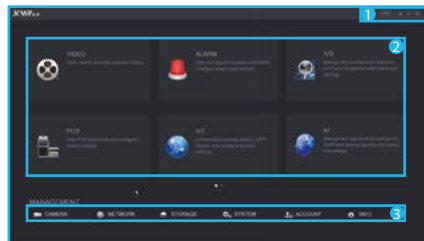
Original Fisheye Image

Camera Lens Distortion Correction

Brand New GUI-XVR4.0

After over a year of design and development, the next generation GUI interface, XVR4.0, has been released together with HDCVI-H.265 products. Beautiful and simple, XVR4.0 ensures perfect display.

- Color schemes, flat interface, and visual icons offer a user-friendly experience
- Integrated functional modules and logic to simplify user operation and enhance product competitiveness



1 Navigation bar

Live view, User, Logout, QR code.

2 Business module

Video, Alarm, IVS, etc.
Supports page turning

3 Management module

Camera, Network, System, and other settings

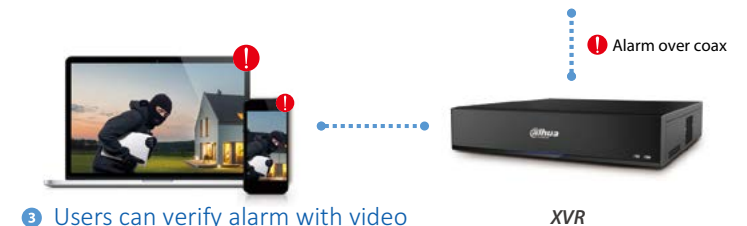
Active Deterrence

- Actively warns off intruders and takes action even before users are aware of the incident.
- Improves accuracy with PIR and motion dual-detection and reduces storage space for motion detection-based recordings.
- Alerts users in real-time with alarm-over-coax and provides visual verification with HDCVI video.
- Protects personnel and property in scheduled time period and avoids unnecessary disturbances with configurable alarm period.

1 PIR camera detects intrusion



2 Actively warns off intruders



3 Users can verify alarm with video

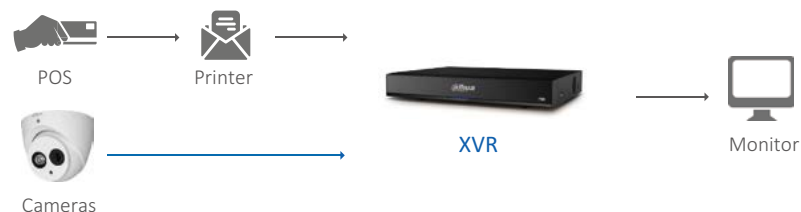
XVR

POS 2.0

The H.265 XVR series integrates POS (Point of Sale) functionality with video for retail applications in order to records business information, identify problems, and provide evidence for disputes. Video and corresponding POS information can be shown simultaneously in both live and playback mode. The system also supports accurate search and fuzzy search to find bills and associated recordings.



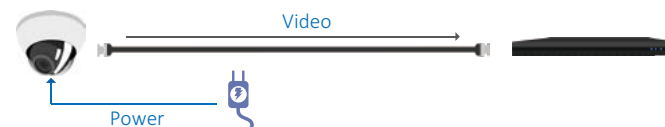
POS Integration at XVR



PoC

PoC (Power over Coax) transmits both video and electrical power over a single coaxial cable. HDCVI PoC technology further simplifies HDCVI system deployment, reducing time and cost. Long distance transmission capability guarantees up to 400m for 1080P and 300m for 4MP transmission.

Conventional System:



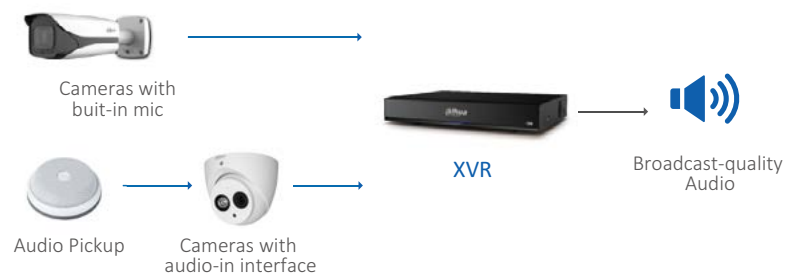
PoC System:



Broadcast-quality Audio



Audio info supplies supplementary evidence to video surveillance, and can be used to settle disputes. In scenarios where conflicts occur such as during checkouts, loud and clear audio can be useful in identifying the cause of the issue. HDCVI offers multiple models supporting audio-in interface or built-in mic. Taking advantage of innovative lossless audio-over-coax transmission technology and advanced noise reduction algorithms, HDCVI is now able to provide users an enjoyable experience with its newly released broadcast-quality audio.



HDCVI CAMERAS



Pro Series

The Pro Series is a perfect choice for mid to large-scale businesses and projects where both high reliability and flexibility are required. The Pro Series provides various motorized/ fixed lens models for both indoor and outdoor applications. All cameras are built to provide high quality images with clear details and accurate colors.

⊕ KEY FEATURES

Optimized Image

Starlight / 120dB WDR provides clear image under tough light conditions.

High Definition

Up to 4K/6MP resolution for more detailed images.

Wide Selection

10+ fixed / motorized lens models fit for any scenario.

Audio

In-house ISP "Fighter" delivers superior high quality audio for evidence collection.

HDCVI CAMERAS

Pro Series					
	4K Full-color	4K Starlight			
Model	HAC-HF3805G	HAC-HFW2802T-ZA(-DP)	HAC-HDBW2802R-Z(-DP)	HAC-HDW2802T-ZA(-DP)	HAC-HFW2802T-I8-A
Appearance					
Image Sensor	4/3" 8MP STARVIS™ CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS
Min. Illumination	0.001Lux/F1.2 (Color)	0.005Lux/F1.5(Color) 0Lux/F1.5(IR on)	0.005Lux/F1.5(Color) 0Lux/F1.5(IR on)	0.005Lux/F1.5(Color) 0Lux/F1.5(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)
Lens	M43, Auto Iris	3.7-11mm, Motorized	3.7-11mm, Motorized	3.7-11mm, Motorized	3.6mm (6mm Optional)
FOV-H	--	112°~46°	112°~46°	112°~46°	87°(55°)
Day/Night	Color	ICR	ICR	ICR	ICR
Max. IR Distance	--	80m (262ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	80m (262ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	140dB	120dB	120dB	120dB	120dB
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	HDMI: 30fps@4K, 30fps@4MP BNC: 15fps@4K, 30fps@4MP	15fps@4K, 20fps@6MP 30fps@4MP	15fps@4K, 20fps@6MP 30fps@4MP	15fps@4K, 20fps@6MP 30fps@4MP	15fps@4K, 20fps@6MP 30fps@4MP
Video Output	HD (HDMI & BNC Output)	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	1ch in & Built-in Mic	1ch in & Built-in Mic	1	1ch in & Built-in Mic	1ch in & Built-in Mic
Alarm In/Out	2/1	--	--	--	--
Pan/Tilt/Rotation	--	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	--	IP67	IP67, IK10	IP67	IP67
Working Temperature	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)
Power	AC24V±25%/DC12V±25% Max. 6.4W	DC12V±30%, Max. 12.5W DC 12V±30%/AC 24V±30% Max. 15W(-DP) Output: DC12V, Max. 2W(-DP)	DC12V±30%, Max. 7W DC 12V±30%/AC 24V±30% Max. 8.4W(-DP) Output: DC12V, Max. 2W(-DP)	DC12V±30%, Max. 9.5W DC 12V±30%/AC 24V±30% Max. 12W(-DP) Output: DC12V, Max. 2W(-DP)	DC12V±30% Max. 11.3W

HDCVI CAMERAS

	4K Starlight			5MP Starlight			
Model	HAC-HFW2802E-A	HAC-HDBW2802R	HAC-HDW2802T-A	HAC-HFW2501T-Z-A(-DP)	HAC-HDBW2501R-Z(-DP)	HAC-HDW2501T-Z-A(-DP)	HAC-HFW2501T-I8-A
Appearance	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/2.8" 5MP STARVIS™ CMOS	1/2.8" 5MP STARVIS™ CMOS	1/2.8" 5MP STARVIS™ CMOS	1/2.8" 5MP STARVIS™ CMOS
Min. Illumination	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.3(Color) 0Lux/F1.3(IR on)	0.005Lux/F1.3(Color) 0Lux/F1.3(IR on)	0.005Lux/F1.3(Color) 0Lux/F1.3(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)
Lens	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	2.7~13.5mm, Motorized	2.7~13.5mm, Motorized	2.7~13.5mm, Motorized	3.6mm (6mm, 8mm, Optional)
FOV-H	87°(110.8°/55°)	87°(110.8°)	87°(110.8°/55°)	102°~29°	102°~29°	102°~29°	79°(49.5°/38°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	40m (131ft), Smart IR	30m (98ft), Smart IR	50m (164ft), Smart IR	80m (262ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	80m (262ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	15fps@4K, 20fps@6MP 30fps@4MP	15fps@4K, 20fps@6MP 30fps@4MP	15fps@4K, 20fps@6MP 30fps@4MP	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	1ch in & Built-in Mic	1	1ch in & Built-in Mic	1ch in & Built-in Mic	1	1ch in & Built-in Mic	1ch in & Built-in Mic
Alarm In/Out	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67, IK10	IP67	IP67	IP67, IK10	IP67	IP67
Working Temperature	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-30°C~+60°C (-22°F~+140°F)	-40°C~+60°C (-40°F~+140°F)
Power	DC12V±30% Max. 6.8W	DC12V±30% Max. 7W	DC12V±30% Max. 8W	DC12V±30%, Max. 12.4W DC12V±30%/AC24V±30% Max. 17.2W(-DP) Output: DC12V, Max. 2W(-DP)	DC12V±30%, Max. 8.8W DC12V±30%/AC24V±30% Max. 11.8W(-DP) Output: DC12V, Max. 2W(-DP)	DC12V±30%, Max. 10W DC12V±30%/AC24V±30% Max. 14.1W(-DP) Output: DC12V, Max. 2W(-DP)	DC12V±30% Max. 10W

HDCVI CAMERAS

Pro Series

	5MP Starlight					4MP Starlight+	
Model	HAC-HFW2501E-A	HAC-HFW2501S	HAC-HDBW2501E	HAC-HDW2501T-A	HAC-HDW2501M	HAC-HFW2402T-Z-A(-DP)	HAC-HDBW2402R-Z(-DP)
Appearance	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight
Image Sensor	1/2.8" 5MP STARVIS™ CMOS	1/2.8" 5MP STARVIS™ CMOS	1/2.8" 5MP STARVIS™ CMOS	1/2.8" 5MP STARVIS™ CMOS	1/2.8" 5MP STARVIS™ CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS
Min. Illumination	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.002Lux/F1.9(Color) 0Lux/F1.9(IR on)	0.002Lux/F1.9(Color) 0Lux/F1.9(IR on)
Lens	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.7-11mm, Motorized	3.7-11mm, Motorized
FOV-H	79°(98°/49.5°)	79°(98°/49.5°)	79°(98°)	79°(98°/49.5°)	79°(98°/49.5°)	114.3°~47.2°	114.3°~47.2°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	40m (131ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	50m (164ft), Smart IR	30m (98ft), Smart IR	80m (262ft), Smart IR	30m (98ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	1ch in & Built-in Mic	1	1	1ch in & Built-in Mic	1	1ch in & Built-in Mic	1
Alarm In/Out	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~65° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0° ~ 355°; Tilt: 0° ~ 75° Rotation: 0° ~ 355°
Ingress Protection	IP67	IP67	IP67, IK10	IP67	IP67	IP67	IP67, IK10
Working Temperature	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)
Power	DC12V±30% Max. 7W	DC12V±30% Max. 6.4W	DC12V±30% Max. 5.3W	DC12V±30% Max. 7W	DC12V±30% Max. 5.3W	DC12V±30%, Max. 10.8W DC12V±30%/AC24V±30% Max. 13.5W(-DP) Output: DC12V, Max. 2W(-DP)	DC12V±30%, Max. 8.8W DC12V±30%/AC24V±30% Max. 11.8W(-DP) Output: DC12V, Max. 2W(-DP)

HDCVI CAMERAS

Pro Series

	4MP Starlight+				1080P Box Camera	1080P 12x Optical Zoom
Model	HAC-HDW2402T-Z-A(-DP)	HAC-HFW2402T-I8-A	HAC-HDBW2402R	HAC-HDW2402T-A	HAC-HF3231E(-T)	HAC-HFW3231E-Z12
Appearance	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight
Image Sensor	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Min. Illumination	0.002Lux/F1.9(Color) 0Lux/F1.9(IR on)	0.002Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.002Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.002Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.005Lux/F1.2 (Color) 0.0005Lux/F1.2 (B/W)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)
Lens	3.7-11mm, Motorized	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	C/CS, Auto Iris	5.3~64mm Motorized, Auto Iris
FOV-H	114.3°~47.2°	88.5°(112.7°/55.8°)	88.5°(112.7°)	88.5°(112.7°/55.8°)	--	58°~5°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	60m (197ft), Smart IR	80m (262ft), Smart IR	30m (98ft), Smart IR	50m (164ft), Smart IR	--	100m (328ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Dual-output SDI Output(-T)	HD/SD Dual-output SD Tester-out
Audio In	1ch in & Built-in Mic	1ch in & Built-in Mic	1	1ch in & Built-in Mic	1ch in & Built-in Mic	1
Alarm In/Out	--	--	--	--	2/1	2/1
Pan/Tilt/Rotation	Pan: 0° ~ 360°; Tilt: 0° ~ 78° Rotation: 0° ~ 360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0° ~ 355°; Tilt: 0° ~ 75° Rotation: 0° ~ 355°	Pan: 0° ~ 360°; Tilt: 0° ~ 78° Rotation: 0° ~ 360°	--	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67, IK10	IP67	--	IP67, IK10
Working Temperature	-30°C~+60°C (-22°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)
Power	DC12V±30%, Max. 7.9W DC12V±30%/AC24V±30% Max. 10.3W(-DP) Output: DC12V, Max. 2W(-DP)	DC12V±30%, Max. 11.5W	DC12V±30%, Max. 5.8W	DC12V±30%, Max. 7.1W	AC24V±25%/DC12V±25% Max. 4.7W	AC24V±25%/DC12V±25% Max. 15.6W

HDCVI CAMERAS

Pro Series

1080P Full-color

1080P Starlight+

Model	HAC-HFW2249T-I8-A-LED	HAC-HFW2249E-A-LED	HAC-HDW2249T-A-LED	HAC-HFW2249T-I8-A	HAC-HFW2249E-A	HAC-HDW2249T-A	HAC-HFW2241T-Z-A(-DP)	HAC-HDBW2241R-Z(-DP)
Appearance								
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Min. Illumination	0.001Lux/F1.0 (Color) 0Lux/F1.0 (LED On)	0.001Lux/F1.0 (Color) 0Lux/F1.0 (LED On)	0.001Lux/F1.0 (Color) 0Lux/F1.0 (LED On)	0.001Lux/F1.0 (Color)	0.001Lux/F1.0 (Color)	0.001Lux/F1.0 (Color)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)
Lens	3.6mm (6mm Optional)	3.6mm (6mm Optional)	3.6mm (6mm Optional)	3.6mm	3.6mm	3.6mm	2.7~13.5mm (6~22mm Optional) Motorized	2.7~13.5mm, Motorized
FOV-H	89.5°(53.8°)	89.5°(53.8°)	89.5°(53.8°)	89.5°	89.5°	89.5°	108.7°~28.7°(42.4°~17.9°)	108.7°~28.7°
Day/Night	Color	Color	Color	Color	Color	Color	ICR	ICR
Max. IR/LED Distance	LED: 40m (131ft), Smart Light	LED: 40m (131ft), Smart Light	LED: 40m (131ft), Smart Light	--	--	--	80m (262ft), Smart IR	30m (98ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	1ch in & Built-in Mic	1ch in & Built-in Mic	1ch in & Built-in Mic	1ch in & Built-in Mic	1ch in & Built-in Mic	1ch in & Built-in Mic	1ch in & Built-in Mic	1
Alarm In/Out	--	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67, IK10
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)
Power	DC12V±30% Max. 6.6W	DC12V±30% Max. 6.6W	DC12V±30% Max. 6.6W	DC12V±30% Max. 2.4W	DC12V±30% Max. 2.4W	DC12V±30% Max. 2.4W	DC12V±30%, Max. 8.2W AC24V±30%/DC12V±30% Max. 11.1W(-DP) Output: DC12V, Max. 2W(-DP)	DC12V±30%, Max. 4.7W AC24V±30%/DC12V±30% Max. 5.9W(-DP) Output: DC12V, Max. 2W(-DP)

HDCVI CAMERAS

Pro Series

1080P Starlight+

Model	HAC-HDW2241T-Z-A(-DP)	HAC-HFW2241T-I8-A	HAC-HFW2241E-A	HAC-HFW2241S	HAC-HDBW2241E	HAC-HDBW2241F-A	HAC-HDW2241T-A	HAC-HDW2241M
Appearance	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Min. Illumination	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)
Lens	2.7~13.5mm, Motorized	3.6mm (6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)
FOV-H	108.7°~28.7°	86.9°(52.8°)	86.9°(110°/52.8°)	86.9°(110°/52.8°)	86.9°(110°)	86.9°(110°)	86.9°(110°/52.8°)	86.9°(110°/52.8°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	60m (197ft), Smart IR	80m (262ft), Smart IR	40m (131ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	20m (66ft), Smart IR	50m (164ft), Smart IR	30m (98ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	1ch in & Built-in Mic	1ch in & Built-in Mic	1ch in & Built-in Mic	1	1	1ch in & Built-in Mic	1ch in & Built-in Mic	1
Alarm In/Out	--	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~65° Rotation: 0°~355°	Pan: 0°~60°; Tilt: 0°~80° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67, IK10	IP67, IK10	IP67	IP67
Working Temperature	-30°C~+60°C (-22°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30%, Max. 5.4W AC24V±30%/DC12V±30% Max. 6.9W(-DP) Output: DC12V, Max. 2W(-DP)	DC12V±30% Max. 10.1W	DC12V±30% Max. 6.7W	DC12V±30% Max. 5.9W	DC12V±30% Max. 4.4W	DC12V±30% Max. 4.3W	DC12V±30% Max. 5.3W	DC12V±30% Max. 4.7W

Lite Series

The Lite Series is suitable for users who want high quality at a reasonable price. It features a superior cost/performance suitable for residential and small-medium business applications. The series offers a wide range of resolutions with motorized/fixed lens options to fit every scenario.

⊕ KEY FEATURES

High Performance

Advanced in-house ISP delivers high quality image, HD/SD output.

Compact Design

Flexible and can fit in a number of places.

Cost-Effective

Performance and quality are combined at a reasonable price.

Audio over Coax

Built-in mic collects supplementary audio evidence.

Lite Series

4K WDR

Model	HAC-HFW1801R-Z-IRE6(-A)	HAC-HDBW1801R-Z	HAC-HDW1801T-Z(-A)	HAC-HFW1801D
Appearance				
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS
Min. Illumination	0.03Lux/F1.7 (Color) 0Lux/F1.7 (IR On)	0.03Lux/F1.7 (Color) 0Lux/F1.7 (IR On)	0.03Lux/F1.7 (Color) 0Lux/F1.7 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)
Lens	2.7-13.5mm, Motorized	2.7-13.5mm, Motorized	2.7-13.5mm, Motorized	3.6mm (6mm Optional)
FOV-H	105°~33°	105°~33°	105°~33°	87°(54.7°)
Day/Night	ICR	ICR	ICR	ICR
Max. IR Distance	60m (197ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	80m (262ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB	120dB	120dB	120dB
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	15fps@4K, 20fps@5MP 30fps@4MP	15fps@4K, 20fps@5MP 30fps@4MP	15fps@4K, 20fps@5MP 30fps@4MP	15fps@4K, 20fps@5MP 30fps@4MP
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	Built-in Mic(-A)	--	Built-in Mic(-A)	--
Alarm In/Out	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~87° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67, IK10	IP67	IP67
Working Temperature	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 11W	DC12V±30% Max. 6.9W	DC12V±30% Max. 7.8W	DC12V±30% Max. 6.5W

HDCVI CAMERAS

Lite Series

4K WDR

Model	HAC-HFW1801TH-I8	HAC-HFW1801TH-I4	HAC-HFW1801TL-A	HAC-HFW1801TL	HAC-HFW1801S	HAC-HFW1801T(-A)	HAC-HDBW1801E
Appearance							
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS
Min. Illumination	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)
Lens	3.6mm (6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)
FOV-H	87°(54.7°)	87°(105°/54.7°)	87°(105°/54.7°)	87°(105°/54.7°)	87°(105°/54.7°)	87°(105°/54.7°)	87°(105°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	80m (262ft), Smart IR	40m (131ft), Smart IR	80m (262ft), Smart IR	80m (262ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	15fps@4K, 20fps@5MP 30fps@4MP	15fps@4K, 20fps@5MP 30fps@4MP	15fps@4K, 20fps@5MP 30fps@4MP	15fps@4K, 20fps@5MP 30fps@4MP	15fps@4K, 20fps@5MP 30fps@4MP	15fps@4K, 20fps@5MP 30fps@4MP	15fps@4K, 20fps@5MP 30fps@4MP
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	--	Built-in Mic	--	--	Built-in Mic(-A)	--
Alarm In/Out	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~65° Rotation: 0°~355°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67, IK10
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 5.9W	DC12V±30% Max. 4.4W	DC12V±30% Max. 6.6W	DC12V±30% Max. 6.6W	DC12V±30% Max. 6W	DC12V±30% Max. 5.2W	DC12V±30% Max. 4.8W

HDCVI CAMERAS

Lite Series

	4K WDR			4K Real-time		
Model	HAC-HDW1801EM(-A)	HAC-HDW1801M	HAC-HDW1801TL(-A)	HAC-HFW1800TH-I8	HAC-HFW1800TH-I4	HAC-HFW1800TL(-A)
Appearance				 4K Real-time	 4K Real-time	 4K Real-time
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS
Min. Illumination	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)
Lens	3.6mm (6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (6mm Optional)	3.6mm (2.8mm,6mm Optional)	3.6mm (2.8mm,6mm Optional)
FOV-H	87°(54.7°)	87°(105°)	87°(105°)	87°(54.7°)	87°(105°/54.7°)	87°(105°/54.7°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	50m (164ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	80m (262ft), Smart IR	40m (131ft), Smart IR	80m (262ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB	120dB	120dB	DWDR	DWDR	DWDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D	2D	2D
Frame Rate	15fps@4K 20fps@5MP, 30fps@4MP	15fps@4K 20fps@5MP, 30fps@4MP	15fps@4K 20fps@5MP, 30fps@4MP	30fps@4K, 15fps@4K 20fps@5MP, 30fps@4MP	30fps@4K, 15fps@4K 20fps@5MP, 30fps@4MP	30fps@4K, 15fps@4K 20fps@5MP, 30fps@4MP
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	Built-in Mic(-A)	--	Built-in Mic(-A)	--	--	Built-in Mic(-A)
Alarm In/Out	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 4.5W	DC12V±30% Max. 4.9W	DC12V±30% Max. 5.2W	DC12V±30% Max. 6W	DC12V±30% Max. 4.3W	DC12V±30% Max. 6W

HDCVI CAMERAS

Lite Series

	4K Real-time			5MP Full-Color	
Model	HAC-HFW1800T(-A)	HAC-HDW1800M	HAC-HDW1800TL(-A)	HAC-HFW1509TLM(-A)-LED	HAC-HFW1509T(-A)-LED
Appearance	 4K Real-time	 4K Real-time	 4K Real-time	 Full-Color	 Full-Color
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Min. Illumination	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.005Lux/F1.2 (Color) 0Lux/F1.2 (LED On)	0.005Lux/F1.2 (Color) 0Lux/F1.2 (LED On)
Lens	3.6mm (2.8mm,6mm Optional)	3.6mm (2.8mm,6mm Optional)	3.6mm (2.8mm Optional)	3.6mm	3.6mm
FOV-H	87°(105°/54.7°)	87°(105°/54.7°)	87°(105°)	83°	83°
Day/Night	ICR	ICR	ICR	Color	Color
Max. IR Distance	30m (98ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	LED: 40m(131ft), Smart Light	LED: 20m(66ft), Smart Light
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D
Frame Rate	30fps@4K, 15fps@4K 20fps@5MP, 30fps@4MP	30fps@4K, 15fps@4K 20fps@5MP, 30fps@4MP	30fps@4K, 15fps@4K 20fps@5MP, 30fps@4MP	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	Built-in Mic(-A)	--	Built-in Mic(-A)	Built-in Mic(-A)	Built-in Mic(-A)
Alarm In/Out	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 4.3W	DC12V±30% Max. 4.3W	DC12V±30% Max. 4.3W	DC12V±30% Max. 5W	DC12V±30% Max. 3W

HDCVI CAMERAS

Lite Series

	5MP Full-Color		5MP			
Model	HAC-HDW1509T(-A)-LED	HAC-HDW1509TL(-A)-LED	HAC-HFW1500R-Z-IRE6(-A)	HAC-HDBW1500R-Z	HAC-HDW1500T-Z(-A)	HAC-HFW1500D
Appearance	 Full-color	 Full-color				
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Min. Illumination	0.005Lux/F1.2 (Color) 0Lux/F1.2 (LED On)	0.005Lux/F1.2 (Color) 0Lux/F1.2 (LED On)	0.02Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.02Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.02Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)
Lens	3.6mm	3.6mm	2.7-12mm, Motorized	2.7-12mm, Motorized	2.7-12mm, Motorized	3.6mm (6mm, 8mm Optional)
FOV-H	83°	83°	96°~30°	96°~30°	96°~30°	77.5°(49°/37°)
Day/Night	Color	Color	ICR	ICR	ICR	ICR
Max. IR Distance	LED: 40m(131ft), Smart Light	LED: 20m(66ft), Smart Light	60m (197ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	80m (262ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D
Frame Rate	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	Built-in Mic(-A)	Built-in Mic(-A)	Built-in Mic(-A)	--	Built-in Mic(-A)	--
Alarm In/Out	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~87° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67, IK10	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 5W	DC12V±30% Max. 3W"	DC12V±30% Max. 12W	DC12V±30% Max. 7.9W	DC12V±30% Max. 8.2W	DC12V±30% Max. 4.6W

HDCVI CAMERAS

Lite Series

5MP

Model	HAC-HFW1500TH-I8	HAC-HFW1500TH-I4	HAC-HFW1500TL-A	HAC-HFW1500TL	HAC-HFW1500S	HAC-HFW1500SL	HAC-HFW1500T(-A)
Appearance							
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Min. Illumination	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)
Lens	3.6mm (6mm, 8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm, 8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)
FOV-H	77.5°(49°/37°)	77.5°(93°/49°)	77.5°(98°/49°/37°)	77.5°(98°/49°)	77.5°(98°/49°)	77.5°(98°/49°)	77.5°(93°/49°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	80m (262ft), Smart IR	40m (131ft), Smart IR	80m (262ft), Smart IR	40m (131ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D	2D
Frame Rate	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	--	Built-in Mic	--	--	--	Built-in Mic(-A)
Alarm In/Out	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC 12V±30% Max. 5.1W	DC 12V±30% Max. 3.6W	DC12V±30% Max. 4.6W	DC 12V±30% Max. 3.3W	DC 12V±30% Max. 4.6W	DC 12V±30% Max. 4.6W	DC 12V±30% Max. 3.7W

HDCVI CAMERAS

Lite Series

	5MP					4MP Full-color	
Model	HAC-HDBW1500E	HAC-HDW1500EM(-A)	HAC-HDW1500M	HAC-HDW1500TL(-A)	HAC-HDW1500SL	HAC-HFW1409TLM(-A)-LED	HAC-HFW1409T(-A)-LED
Appearance							
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS
Min. Illumination	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.2 (Color) 0Lux/F1.2 (LED On)	0.02Lux/F1.2 (Color) 0Lux/F1.2 (LED On)
Lens	3.6mm(2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm	3.6mm
FOV-H	77.5°(98°)	77.5°(98°/49°)	77.5°(98°/49°)	77.5°(93°)	77.5°(93°/49°)	81°	81°
Day/Night	ICR	ICR	ICR	ICR	ICR	Color	Color
Max. IR Distance	30m (98ft), Smart IR	50m (164ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	20m (66ft), Smart IR	LED: 40m(131ft), Smart Light	LED: 20m(66ft), Smart Light
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D	2D
Frame Rate	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	Built-in Mic(-A)	--	Built-in Mic(-A)	--	Built-in Mic(-A)	Built-in Mic(-A)
Alarm In/Out	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~355°; Tilt: 0°~65° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67, IK10	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC 12V±30% Max. 2.6W	DC12V±30% Max. 5.0W	DC 12V±30% Max. 3.6W	DC 12V±30% Max. 3.7W	DC 12V±30% Max. 3.6W	DC12V±30% Max. 5W	DC12V±30% Max. 3W

HDCVI CAMERAS

Lite Series

	4MP Full-color		4MP				
Model	HAC-HDW1409T(-A)-LED	HAC-HDW1409TL(-A)-LED	HAC-HFW1400R-Z-IRE6	HAC-HDBW1400R-Z	HAC-HDW1400T-Z(-A)	HAC-HFW1400D	HAC-HFW1400TH-I8
Appearance	 Full-color	 Full-color					
Image Sensor	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS
Min. Illumination	0.005Lux/F1.2 (Color) 0Lux/F1.2 (LED On)	0.005Lux/F1.2 (Color) 0Lux/F1.2 (LED On)	0.03Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.03Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.03Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)
Lens	3.6mm	3.6mm	2.7-12mm, Motorized	2.7-12mm, Motorized	2.7-12mm, Motorized	3.6mm (6mm, 8mm, Optional)	3.6mm (6mm, 8mm, Optional)
FOV-H	81°	81°	92°~29°	92°~29°	92°~29°	76.4°(48.6°/37°)	76.4°(48.6°/36.3°)
Day/Night	Color	Color	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	LED: 40m (131ft), Smart Light	LED: 20m (66ft), Smart Light	60m (197ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	80m (262ft), Smart IR	80m (262ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D	2D
Frame Rate	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	Built-in Mic(-A)	Built-in Mic(-A)	--	--	Built-in mic(-A)	--	--
Alarm In/Out	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°, Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°, Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°, Tilt: 0°~87° Rotation: 0°~360°	Pan: 0°~355°, Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°, Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°, Tilt: 0°~87° Rotation: 0°~360°	Pan: 0°~360°, Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67, IK10	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 5W	DC12V±30% Max. 3W	DC12V±30% Max. 11.5W	DC12V±30% Max. 7W	DC12V±30% Max. 8W	DC12V±30% Max. 5.5W	DC12V±30% Max. 5.1W

HDCVI CAMERAS

Lite Series

4MP

Model	HAC-HFW1400TH-I4	HAC-HFW1400TL-A	HAC-HFW1400TL	HAC-HFW1400S	HAC-HFW1400SL	HAC-HFW1400T(-A)	HAC-HFW1400R
Appearance							
Image Sensor	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS
Min. Illumination	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)
Lens	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm, 8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)
FOV-H	76.4°(97°/48.6°)	76.4°(97°/48.6°/37°)	76.4°(97°/48.6°)	76.4°(97°/48.6°)	76.4°(97°/48.6°)	76.4°(97°/48.6°)	76.4°(97°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	40m (131ft), Smart IR	80m (262ft), Smart IR	40m (131ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	20m (66ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D	2D
Frame Rate	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	Built-in Mic	--	--	--	Built-in Mic(-A)	--
Alarm In/Out	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 3.6W	DC12V±30% Max. 5.6W	DC12V±30% Max. 3.3W	DC 12V±30% Max. 4.9W	DC 12V±30% Max. 4.9W	DC 12V±30% Max. 4W	DC 12V±30% Max. 3.7W

HDCVI CAMERAS

Lite Series

4MP

Model	HAC-HDBW1400E	HAC-HDW1400EM(-A)	HAC-HDW1400M	HAC-HDW1400TL(-A)	HAC-HDW1400SL	HAC-HDW1400R
Appearance						
Image Sensor	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS
Min. Illumination	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)
Lens	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)
FOV-H	76.4°(97°)	76.4°(97°/48.6°)	76.4°(97°/48.6°)	76.4°(97°)	76.4°(97°/48.6°)	76.4°(97°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	30m (98ft), Smart IR	50m (164ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	20m (66ft), Smart IR	20m (66ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D
Frame Rate	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	Built-in Mic(-A)	--	Built-in Mic(-A)	--	--
Alarm In/Out	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~355°; Tilt: 0°~65° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC 12V±30% Max. 3.7W	DC 12V±30% Max. 3.9W	DC 12V±30% Max. 3.7W	DC 12V±30% Max. 4W	DC 12V±30% Max. 3.7W	DC 12V±30% Max. 3.7W

HDCVI CAMERAS

Lite Series

	1080P Full-Color				1080P Starlight		
Model	HAC-HFW1239TLM(-A)-LED	HAC-HFW1239T(-A)-LED	HAC-HDW1239T(-A)-LED	HAC-HDW1239TL(-A)-LED	HAC-HFW1230R-Z-IRE6	HAC-HDBW1230R-Z	HAC-HDW1230T-Z(-A)
Appearance	 Full-color	 Full-color	 Full-color	 Full-color	 Starlight	 Starlight	 Starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Min. Illumination	0.005Lux/F1.6 (Color) 0Lux/F1.6 (LED On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (LED On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (LED On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (LED On)	0.005Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.005Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.005Lux/F1.8 (Color) 0Lux/F1.8 (IR On)
Lens	3.6mm	3.6mm	3.6mm	3.6mm (2.8mm Optional)	2.7-12mm, Motorized	2.7-12mm, Motorized	2.7-12mm, Motorized
FOV-H	86.9°	86.9°	86.9°	86.9°(106°)	101.7°~32.3°	101.7°~32.3°	101.7°~32.3°
Day/Night	Color	Color	Color	Color	ICR	ICR	ICR
Max. IR Distance	LED: 40m(131ft), Smart Light	LED: 20m(66ft), Smart Light	LED: 40m(131ft), Smart Light	LED: 20m(66ft), Smart Light	60m (197ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D	2D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	Built-in Mic(-A)	Built-in Mic(-A)	Built-in Mic(-A)	Built-in Mic(-A)	--	--	Built-in Mic(-A)
Alarm In/Out	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~87° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67, IK10	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)
Power	DC 12V±30% Max. 4.2W	DC 12V±30% Max. 3W	DC 12V±30% Max. 4.2W	DC 12V±30% Max. 3W	DC12V±30% Max. 12.1W	DC12V±30% Max. 6.7W	DC12V±30% Max. 8.2W

HDCVI CAMERAS

Lite Series

1080P Starlight

Model	HAC-HFW1230D	HAC-HFW1230TH-I8	HAC-HFW1230TH-I4	HAC-HFW1230TL-A	HAC-HFW1230TL	HAC-HFW1230S
Appearance	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Min. Illumination	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)
Lens	3.6mm (6mm, 8mm Optional)	3.6mm (6mm, 8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)
FOV-H	86.9°(52.9°/40.5°)	86.9°(52.9°/40.5°)	86.9°(106°/52.9°)	86.9°(106°/52.9°)	86.9°(106°/52.9°)	86.9°(106°/52.9°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	80m (262ft), Smart IR	80m (262ft), Smart IR	40m (131ft), Smart IR	80m (262ft), Smart IR	40m (131ft), Smart IR	30m (98ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	--	--	Built-in Mic	--	--
Alarm In/Out	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~87° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 5.6W	DC12V±30% Max. 4.9W	DC12V±30% Max. 3.3W	DC12V±30% Max. 5.3W	DC12V±30% Max. 3W	DC12V±30% Max. 4.5W

Lite Series

1080P Starlight

Model	HAC-HFW1230SL	HAC-HFW1230T(-A)	HAC-HDBW1230E	HAC-HDW1230EM-A	HAC-HDW1230M	HAC-HDW1230TL(-A)	HAC-HDW1230SL
Appearance	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Min. Illumination	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)
Lens	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)
FOV-H	86.9°(106°/52.9°)	86.9°(106°/52.9°)	86.9°(106°)	86.9°(106°/52.9°)	86.9°(106°/52.9°)	86.9°(106°)	86.9°(106°/52.9°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	30m (98ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	50m (164ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	20m (66ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D	2D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	Built-in Mic(-A)	--	Built-in Mic	--	Built-in Mic(-A)	--
Alarm In/Out	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~65° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67, IK10	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 4.5W	DC12V±30% Max. 3.7W	DC12V±30% Max. 3.1W	DC12V±30% Max. 4.7W	DC12V±30% Max. 3.5W	DC12V±30% Max. 3.7W	DC12V±30% Max. 3.5W

HDCVI CAMERAS

Lite Series

1080P Value Starlight

Model	HAC-HFW1220TH-I8	HAC-HFW1220TH-I4	HAC-HFW1220TH	HAC-HFW1220TL	HAC-HFW1220T	HAC-HFW1220R	HAC-HDW1220EM
Appearance	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight
Image Sensor	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS
Min. Illumination	0.008Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.008Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.008Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.008Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.008Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.008Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.008Lux/F1.85(Color) 0Lux/F1.85 (IR On)
Lens	3.6mm (6mm, 8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)
FOV-H	87.5° (54.7°, 41.3°)	87.5° (103°, 54.7°)	87° (103°, 54.7°)	87° (103°, 54.7°)	87° (103°, 54.7°)	87° (103°)	87° (103°, 54.7°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	80m (262ft), Smart IR	40m (131ft), Smart IR	80m (262ft), Smart IR	40m (131ft), Smart IR	30m (98ft), Smart IR	20m (66ft), Smart IR	50m (164ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D	2D
Frame Rate	30fps@1080P	30fps@1080P	30fps@1080P	30fps@1080P	30fps@1080P	30fps@1080P	30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	--	--	--	--	--	--
Alarm In/Out	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 4.9W	DC12V±30% Max. 3.3W	DC12V±30% Max. 5.3W	DC12V±30% Max. 3W	DC12V±30% Max. 3.7W	DC12V±30% Max. 3.5W	DC12V±30% Max. 3.7W

Lite Series

	1080P Value Starlight		1080P				
Model	HAC-HDW1220M	HAC-HDW1220SL	HAC-HFW1200R-Z-IRE6	HAC-HDBW1200R-Z	HAC-HDW1200T-Z(-A)	HAC-HFW1200D	HAC-HFW1200TH-I8
Appearance	 Starlight	 Starlight					
Image Sensor	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS
Min. Illumination	0.008Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.008Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.02Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.02Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85(Color) 0Lux/F1.85 (IR On)
Lens	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	2.7-12mm, Motorized	2.7-12mm, Motorized	2.7-12mm, Motorized	3.6mm (6mm, 8mm Optional)	3.6mm (6mm, 8mm Optional)
FOV-H	87° (103°, 54.7°)	87° (103°, 54.7°)	105.9°~33.4°	105.9°~33.4°	105.9°~33.4°	87.5°(54.7°/41°)	87.5°(54.7°/41°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	30m (98ft), Smart IR	20m (66ft), Smart IR	60m (197ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	80m (262ft), Smart IR	80m (262ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D	2D
Frame Rate	30fps@1080P	30fps@1080P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	--	--	--	Built-in Mic(-A)	--	--
Alarm In/Out	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~87° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~87° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67, IK10	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 3.5W	DC12V±30% Max. 3.5W	DC12V±30% Max. 12.1W	DC12V±30% Max. 6.3W	DC12V±30% Max. 8.2W	DC12V±30% Max. 5.4W	DC12V±30% Max. 4.9W

HDCVI CAMERAS

Lite Series

1080P

Model	HAC-HFW1200TH-I4	HAC-HFW1200TH-A	HAC-HFW1200TH	HAC-HFW1200TL-A	HAC-HFW1200TL	HAC-HFW1200S	HAC-HFW1200T(-A)
Appearance							
Image Sensor	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS
Min. Illumination	0.02Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85(Color) 0Lux/F1.85 (IR On)
Lens	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)
FOV-H	87.5°(103°/54.7°)	87.5°(103°/54.7°)	87.5°(103°/54.7°)	87.5°(103°/54.7°)	87.5°(103°/54.7°)	87.5°(103°/54.7°)	87.5°(103°/54.7°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	40m (131ft), Smart IR	80m (262ft), Smart IR	40m (131ft), Smart IR	80m (262ft), Smart IR	40m (131ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D	2D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	Built-in Mic	--	Built-in Mic	--	--	Built-in Mic(-A)
Alarm In/Outi	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 3.3W	DC12V±30% Max. 5.3W	DC12V±30% Max. 3.0W	DC12V±30% Max. 5.3W	DC12V±30% Max. 3W	DC12V±30% Max. 4.3W	DC12V±30% Max. 3.6W

Lite Series

1080P

Model	HAC-HFW1200R	HAC-HDBW1200E	HAC-HDW1200EM(-A)	HAC-HDW1200M	HAC-HDW1200TL(-A)	HAC-HDW1200SL	HAC-HDW1200R
Appearance							
Image Sensor	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS
Min. Illumination	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)
Lens	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)
FOV-H	87.5°(103°/54.7°)	87.5°(103°)	87.5°(103°/54.7°)	87.5°(103°/54.7°)	87.5°(103°)	87.5°(103°)	87.5°(103°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	20m (66ft), Smart IR	30m (98ft), Smart IR	50m (164ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	20m (66ft), Smart IR	20m (66ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D	2D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	--	Built-in Mic(-A)	--	Built-in Mic(-A)	--	--
Alarm In/Out	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~65° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67, IK10	IP67	IP67	IP67	IP67	--
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+55°C (-40°F ~ +131°F)
Power	DC12V±30% Max. 3.3W	DC12V±30% Max. 3.4W	DC12V±30% Max. 4.2W	DC12V±30% Max. 3.3W	DC12V±30% Max. 3.6W	DC12V±30% Max. 3.3W	DC12V±30% Max. 3.3W

Cooper Series

Cooper Series offers simple and highly cost-effective HDCVI solution. It meets the requirement of 24/7 reliable monitoring with high-quality image performance, and saves budget for customers on both device and labor. Cooper is also highly guaranteed by Dahua quality standard.

⊕ KEY FEATURES

Reliable Monitoring

Bright and clear image with rich details day and night.

Simplicity

Real plug and play, easy installation to save time and labor.

Dahua Quality

Fully in line with Dahua's quality assurance standard.

Cost-Effective

Competitive price for SMB applications.

HDCVI CAMERAS

Cooper Series

5MP

Model	HAC-B4A51-VF	HAC-D3A51-VF	HAC-T3A51-VF	HAC-B2A51
Appearance				
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Min. Illumination	0.04Lux/F1.8(Color) 0Lux/F1.8(IR On)	0.04Lux/F1.8(Color) 0Lux/F1.8(IR On)	0.04Lux/F1.8(Color) 0Lux/F1.8(IR On)	0.04Lux/F2.0(Color) 0Lux/F2.0(IR On)
Lens	2.7~12mm, Manual	2.7~12mm, Manual	2.7~12mm, Manual	3.6mm (2.8mm, 6mm Optional)
FOV-H	93°~30°	93°~30°	93°~30°	77.5°(93°/49°)
Day/Night	ICR	ICR	ICR	ICR
Max. IR Distance	40m(131ft), Smart IR	30m(98ft), Smart IR	40m(131ft), Smart IR	20m(66ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D
Frame Rate	20fps@5MP 30fps@4MP,30fps@1080P	20fps@5MP 30fps@4MP,30fps@1080P	20fps@5MP 30fps@4MP,30fps@1080P	20fps@5MP 30fps@4MP,30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	--	--	--
Alarm In/Out	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~87° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~75° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 5.9W	DC12V±30% Max. 3.6W	DC12V±30% Max. 5.9W	DC12V±30% Max. 3.9W

Cooper Series

5MP

4MP

Model	HAC-B1A51	HAC-D1A51	HAC-T2A51	HAC-T1A51	HAC-B4A41-VF	HAC-D3A41-VF
Appearance						
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS
Min. Illumination	0.04Lux/F2.0(Color) 0Lux/F2.0(IR On)	0.04Lux/F2.0(Color) 0Lux/F2.0(IR On)	0.04Lux/F2.0(Color) 0Lux/F2.0(IR On)	0.04Lux/F2.0(Color) 0Lux/F2.0(IR On)	0.04Lux/F1.8(Color) 0Lux/F1.8(IR On)	0.04Lux/F1.8(Color) 0Lux/F1.8(IR On)
Lens	3.6mm(2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	2.7~12mm, Manual	2.7~12mm, Manual
FOV-H	77.5°(93°/49°)	77.5°(99°)	77.5°(93°/49°)	77.5°(93°/49°)	92°~29°	92°~29°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	20m(66ft), Smart IR	20m(66ft), Smart IR	20m(66ft), Smart IR	20m(66ft), Smart IR	40m(131ft), Smart IR	30m(98ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D
Frame Rate	20fps@5MP 30fps@4MP,30fps@1080P	20fps@5MP 30fps@4MP,30fps@1080P	20fps@5MP 30fps@4MP,30fps@1080P	20fps@5MP 30fps@4MP,30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	--	--	--	--	--
Alarm In/Out	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~87° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°
Ingress Protection	IP67	-	IP67	-	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+45°C (-40°F ~ +113°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+55°C (-40°F ~ +131°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)
Power	DC12V±30% Max. 3.9W	DC12V±30% Max. 2.9W	DC12V±30% Max. 3.9W	DC12V±30% Max. 2.9W	DC12V±30% Max. 5.9W	DC12V±30% Max. 3.6W

HDCVI CAMERAS

Cooper Series

4MP

Model	HAC-T3A41-VF	HAC-B2A41	HAC-B1A41	HAC-D1A41	HAC-T2A41	HAC-T1A41
Appearance						
Image Sensor	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS
Min. Illumination	0.04Lux/F1.8(Color) 0Lux/F1.8(IR On)	0.04Lux/F2.0(Color) 0Lux/F2.0(IR On)	0.04Lux/F2.0(Color) 0Lux/F2.0(IR On)	0.04Lux/F2.0(Color) 0Lux/F2.0(IR On)	0.04Lux/F2.0(Color) 0Lux/F2.0(IR On)	0.04Lux/F2.0(Color) 0Lux/F2.0(IR On)
Lens	2.7~12mm, Manual	3.6mm (2.8mm, 6mm Optional)	3.6mm (6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)
FOV-H	92°~29°	76.4°(97°/48.6°)	76.4°(48.6°)	76.4°(97°)	76.4°(97°/48.6°)	76.4°(97°/48.6°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	40m(131ft), Smart IR	20m(66ft), Smart IR	20m(66ft), Smart IR	20m(66ft), Smart IR	20m(66ft), Smart IR	20m(66ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D
Frame Rate	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	--	--	--	--	--
Alarm In/Out	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~70° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	-	IP67	--
Working Temperature	-30°C~+60°C (-22°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+45°C (-40°F ~ +113°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 5.9W	DC12V±30% Max. 3.9W	DC12V±30% Max. 3.9W	DC12V±30% Max. 2.9W	DC12V±30% Max. 3.9W	DC12V±30% Max. 2.9W

HDCVI CAMERAS

Cooper Series

2MP

Model	HAC-B4A21-VF	HAC-D3A21-VF	HAC-T3A21-VF	HAC-B2A21	HAC-B1A21	HAC-D1A21	HAC-T2A21	HAC-T1A21
Appearance								
Image Sensor	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS
Min. Illumination	0.04Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.04Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.04Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.04Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.04Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.04Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.04Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.04Lux/F1.85 (Color) 0Lux/F1.85 (IR On)
Lens	2.7~12mm, Manual	2.7~12mm, Manual	2.7~12mm, Manual	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)
FOV-H	106°~33°	106°~33°	93°(106°/33°)	93°(103°/54.7°)	93°(103°/54.7°)	93°(103°)	93°(103°/54.7°)	93°(103°/54.7°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	40m(131ft), Smart IR	30m(98ft), Smart IR	40m(131ft), Smart IR	20m(66ft), Smart IR	20m(66ft), Smart IR	20m(66ft), Smart IR	20m(66ft), Smart IR	20m(66ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D	2D	2D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	--	--	--	--	--	--	--
Alarm In/Out	--	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~70° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	--	IP67	--
Working Temperature	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+45°C (-40°F ~ +113°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 4.6W	DC12V±30% Max. 3.5W	DC12V±30% Max. 4.6W	DC12V±30% Max. 2.7W	DC12V±30% Max. 2.7W	DC12V±30% Max. 3W	DC12V±30% Max. 2.7W	DC12V±30% Max. 2.3W

PIR & IoT Series

PIR & IoT Series provides multi-dimensional system that links video with audio, information and alarm to verify potential risks. The new active deterrence camera with embedded white light and siren can help prevent accidents, secure people and safeguard properties.

⊕ KEY FEATURES

Accurate Detection

HDCVI video surveillance with PIR ensures important events are seen.

Active Deterrence

Warns off intruders with built-in white light and siren.

Everything-over-Coax

Multiple data types can be transmitted over a single coax cable.

IoT Overlay

Real-time temperature and humidity information from sensors are displayed on the video to improve efficiency.

HDCVI CAMERAS

PIR & IoT Series

Model	Active Deterrence		
	HAC-ME1500C	HAC-ME2241C	HAC-ME2241C-W
Appearance			
Image Sensor	1/2.7" 5MP CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Min. Illumination	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)
Lens	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)
FOV-H	77.5°(92°)	86.9°(110°)	86.9°(110°)
Day/Night	ICR	ICR	ICR
Max. IR Distance	20m (66ft), Smart IR	20m (66ft), Smart IR	20m (66ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language
WDR	DWDR	120dB	120dB
Noise Reduction	2D	2D/3D	2D/3D
Frame Rate	20fps@5MP 30fps@4MP, 30fps@1080P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	1ch in & Built-in Mic	1ch in & Built-in Mic
IoT Features	Active Deterrence with White Light & Siren; Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out	Active Deterrence with White Light & Siren; Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out & 1ch Alarm Out Interface	Active Deterrence with White Light & Siren; Accurate Alarm Based on PIR & Motion Dual-detection; Built-in Airfly Tranceiver; Coax Alarm Out & 1ch Alarm Out Interface
Pan/Tilt/Rotation	Pan:0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan:0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan:0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67
Working Temperature	-20°C~+60°C (-4°F ~ +140°F)	-20°C~+60°C (-4°F ~ +140°F)	-20°C~+60°C (-4°F ~ +140°F)
Power	DC12V±30% Max. 4.2W	DC12V±30% Max. 5.5W	DC12V±30% Max. 5.5W

PIR & IoT Series

Active Deterrence

Model	HAC-ME1500D	HAC-ME1200D	HAC-ME1500B-LED	HAC-ME1200B-LED	HAC-ME1500E-LED	HAC-ME1200E-LED
Appearance						
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 2MP CMOS	1/2.7" 5MP CMOS	1/2.7" 2MP CMOS	1/2.7" 5MP CMOS	1/2.7" 2MP CMOS
Min. Illumination	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.02Lux/F2.0(Color) 0Lux/F2.0 (IR On)	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)
Lens	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)
FOV-H	77.5°(99°)	88°(112°)	77.5°(99°)	88°(112°)	77.5°(99°)	88°(112°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	20m (66ft), Smart IR	20m (66ft), Smart IR	20m (66ft), Smart IR	20m (66ft), Smart IR	20m (66ft), Smart IR	20m (66ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D
Frame Rate	20fps@5MP 30fps@4MP, 30fps@1080P	30fps@1080P 30/60fps@720P	20fps@5MP 30fps@4MP, 30fps@1080P	30fps@1080P 30/60fps@720P	20fps@5MP 30fps@4MP, 30fps@1080P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	Built-in Mic	--	--	--	--
IoT Features	Active Deterrence with White Light & Siren; Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out	Active Deterrence with White Light & Siren; Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out	Active Deterrence with White Light; Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out	Active Deterrence with White Light; Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out	Active Deterrence with White Light; Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out	Active Deterrence with White Light; Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out
Pan/Tilt/Rotation	Pan:0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan:0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan:0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan:0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan:0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan:0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-10°C~+50°C (14°F ~ +122°F)	-10°C~+50°C (14°F ~ +122°F)	-10°C~+50°C (14°F ~ +122°F)	-10°C~+50°C (14°F ~ +122°F)	-10°C~+50°C (14°F ~ +122°F)	-10°C~+50°C (14°F ~ +122°F)
Power	DC12V±30% Max. 3.9W	DC12V±30% Max. 4.9W	DC12V±30% Max. 2.5W	DC12V±30% Max. 2.5W	DC12V±30% Max. 2.5W	DC12V±30% Max. 2.5W

HDCVI CAMERAS

PIR & IoT Series

	PIR						IoT	
Model	HAC-ME2802B	HAC-ME1500B	HAC-ME1200B	HAC-ME1500E	HAC-ME1200E	HAC-ME1200A	HAC-LC1220T-TH	HAC-LC1200SL-W
Appearance								
Image Sensor	1/1.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 2MP CMOS	1/2.7" 5MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.9" 2MP CMOS	1/2.7" 2MP CMOS
Min. Illumination	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.02Lux/F2.4 (Color) 0Lux/F2.4 (IR On)	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)
Lens	2.8mm	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)
FOV-H	110.8°	77.5°(99°)	88°(112°)	77.5°(99°)	88°(112°)	96°(107°)	82.8°(104°/51°)	89.9°(112°/54.7°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	20m (66ft), Smart IR	20m (66ft), Smart IR	20m (66ft), Smart IR	20m (66ft), Smart IR	20m (66ft), Smart IR	20m (66ft), Smart IR	20m (66ft), Smart IR	30m (98ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D	2D	2D
Frame Rate	15fps@4K 20fps@6MP, 30fps@4MP	20fps@5MP 30fps@4MP, 30fps@1080P	30fps@1080P 30/60fps@720P	20fps@5MP 30fps@4MP, 30fps@1080P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable (Video only)	HD/SD Switchable (Video only)	HD/SD Switchable (Video only)	HD/SD Switchable (Video only)	HD/SD Switchable (Video only)	HD/SD Switchable (Video only)	HD/SD Switchable (Video only)	HD/SD Switchable (Video only)
Audio In	--	--	--	--	--	--	--	--
IoT Features	Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out	Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out	Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out	Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out	Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out	Accurate Alarm Based on PIR & Motion Dual-detection; Coax Alarm Out	Built-in Temperature & Humidity Sensor; Detection Range: -40°C~+60°C (-40°F ~ +140°F) & 10-95%RH	Built-in Airfly Tranceiver; Up to 32 Wireless Devices Connection; Transmission Range up to 100m (Open Space)
Pan/Tilt/Rotation	Pan:0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan:0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan:0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan:0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan:0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan:0°~180°; Tilt: 0°~180° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	--	IP67	IP67
Working Temperature	-10°C~+50°C (14°F ~ +122°F)	-10°C~+50°C (14°F ~ +122°F)	-10°C~+50°C (14°F ~ +122°F)	-10°C~+50°C (14°F ~ +122°F)	-10°C~+50°C (14°F ~ +122°F)	-20°C~+60°C (-4°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 5.3W	DC12V±30% Max. 4.5W	DC12V±30% Max. 3.9W	DC12V±30% Max. 4.5W	DC12V±30% Max. 3.9W	DC12V±30% Max. 0.8W	DC12V±25% Max. 3.4W	DC12V±25% Max. 4.4W

Panorama Series

Panoramic Series offers fisheye camera and multi-lens camera for different scenarios. It can cover an extremely wide angle with only one camera, which greatly simplifies system installation and maintenance.

⊕ KEY FEATURES

Multi-sensor Camera

Consists of 3*1080P single views to provide a 180° panoramic view.

Fisheye Camera

Adopts fisheye lens to provide a 360° round view, covering a whole area.

Dual-lens Camera

Monitors two directions with separate cameras while saving installation work.

Simplify System

Panoramic series camera can replace multiple cameras, making installation easier.

Panorama Series

	Multi-sensor	Fisheye		Dual-lens
Model	HAC-PFW3601-A180(-AC24)	HAC-EBW3802	HAC-EW2501	HAC-HDW2241M-E2
Appearance	 Starlight	 Starlight	 Starlight	 Starlight
Image Sensor	3×1/2.8" 2MP STARVIS™ CMOS	1/2" 8MP CMOS	1/2.8" 5MP STARVIS™ CMOS	2×1/2.8" 2MP STARVIS™ CMOS
Min. Illumination	0.005Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.005Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.005Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)
Lens	3×3.6mm	2.5mm	1.4mm	2×3.6mm (2.8mm, 6mm Optional)
FOV-H	Panoramic View: 180° Single View: 3×87°	180°	180°	Single View: 2×86.9°(110°/52.8°)
Day/Night	ICR	ICR	ICR	ICR
Max. IR Distance	20m (66ft), Smart IR	15m (49ft), Smart IR	10m (33ft), Smart IR	30m (98ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB	120dB	120dB	120dB
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	Panoramic View: 15fps@4K, 25fps@4MP Single View: 25fps@1080P	15fps@4K, 30fps@4MP	20fps@5MP, 30fps@4MP 30fps@1080P	Single View: 30fps@1080P 30/60fps@720P
Video Output	HD (1×Panoramic View & 3×Single View Output) SD Tester-out (Panoramic View)	HD/SD Dual-output	HD/SD Switchable	HD/SD Switchable
Audio In	1	1ch in & Built-in Mic	Built-in Mic	1
Alarm In/Out	2/1	2/1	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	--	--	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Ingress Protection	IP67, IK10	IP67, IK10	--	IP67
Working Temperature	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±25%, Max. 22W (AC24V±25% Optional, Max. 22W)	DC12V±25% Max. 7.4W	DC12V±25% Max. 7.3W	1×DC12V±30% Max. 9.2W

PoC Series

PoC Series features camera powered directly by the recorder over the same coaxial cable in which video is transmitted. Dahua PoC transmission distance can reach up to 400 meters for 1080P cameras, that can help decrease material and installation cost and simplify the system.

⊕ KEY FEATURES

Safe Operation

Auto identification and quick cut off strategies help to avoid damage and injuries.

Long Distance

400 meters for 1080P cameras and 300 meters for 4MP cameras.

Power over Coax

Transmits power over the same coaxial cable with video.

Cost Saving

Cost reduction in devices, system deployment and labor force.

HDCVI CAMERAS

PoC Series

	5MP				
Model	HAC-HFW1500R-Z-IRE6-POC	HAC-HDBW1500R-Z-POC	HAC-HDW1500T-Z(-A)-POC	HAC-HFW1500S-POC	HAC-HFW1500T(-A)-POC
Appearance					
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Min. Illumination	0.02Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.02Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.02Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)
Lens	2.7-12mm, Motorized	2.7-12mm, Motorized	2.7-12mm, Motorized	3.6mm (2.8mm Optional)	3.6mm
FOV-H	93°~30°	93°~30°	93°~30°	77.5° (93°)	77.5°
Day/Night	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	30m (98ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D
Frame Rate	20fps@5MP, 30fps@4MP, 30fps@1080P	20fps@5MP, 30fps@4MP, 30fps@1080P	20fps@5MP, 30fps@4MP, 30fps@1080P	20fps@5MP, 30fps@4MP, 30fps@1080P	20fps@5MP, 30fps@4MP, 30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	--	Built-in mic(-A)	--	Built-in mic(-A)
Alarm In/Out	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67, IK10	IP67	IP67	IP67
Working Temperature	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	POC/DC12V±30% Max. 7.1W	POC/DC12V±30% Max. 5.4W	POC/DC12V±30% Max. 6.6W	POC/DC12V±30% Max. 4.4W	POC/DC12V±30% Max. 3.6W

HDCVI CAMERAS

PoC Series

	5MP	4MP					
Model	HAC-HDW1500EM(-A)-POC	HAC-HFW1400R-Z-IRE6-POC	HAC-HDBW1400R-Z-POC	HAC-HDW1400T-Z-A-POC	HAC-HFW1400S-POC	HAC-HFW1400T(-A)-POC	HAC-HDW1400EM-A-POC
Appearance							
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS	1/2.7" 4MP CMOS
Min. Illumination	0.02Lux/F1.85 (Color) 0Lux/F1.85 (IR On)	0.03Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.03Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.03Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)
Lens	3.6mm (2.8mm Optional)	2.7-12mm, Motorized	2.7-12mm, Motorized	2.7-12mm, Motorized	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)
FOV-H	77.5° (93°)	92°~29°	92°~29°	92°~29°	76.4° (97°)	76.4° (97°)	76.4° (97°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	50m (164ft), Smart IR	60m (197ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	50m (164ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D	2D
Frame Rate	20fps@5MP 30fps@4MP, 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P	30fps@4MP 30fps@1080P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	Built-in mic(-A)	--	--	Built-in mic	--	Built-in Mic(-A)	Built-in Mic
Alarm In/Out	--	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~87° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67, IK10	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	POC/DC12V±30% Max. 4.2W	POC/DC12V±30% Max. 7.1W	POC/DC12V±30% Max. 5.4W	POC/DC12V±30% Max. 6.6W	POC/DC12V±30% Max. 4.4W	POC/DC12V±30% Max. 3.6W	POC/DC12V±30% Max. 3.4W

HDCVI CAMERAS

PoC Series

1080P

Model	HAC-HFW2241T-Z-POC	HAC-HDBW2241R-Z-POC	HAC-HDW2241T-Z-POC	HAC-HFW1230R-Z-IRE6-POC	HAC-HDBW1230R-Z-POC	HAC-HDW1230T-Z-A-POC
Appearance	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Min. Illumination	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.004Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.005Lux/F1.8 (Color) 0Lux/F1.8 (IR On)	0.005Lux/F1.8 (Color) 0Lux/F1.8 (IR On)
Lens	2.7~13.5mm, Motorized	2.7~13.5mm, Motorized	2.7~13.5mm, Motorized	2.7-12mm, Motorized	2.7-12mm, Motorized	2.7-12mm, Motorized
FOV-H	108.7°~28.7°	108.7°~28.7°	108.7°~28.7°	101.7°~32.3°	101.7°~32.3°	101.7°~32.3°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	80m (262ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	60m (197ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB	120dB	120dB	DWDR	DWDR	DWDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D	2D	2D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	--	--	--	--	Built-in Mic
Alarm In/Out	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~87° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Ingress Protection	IP67	IP67, IK10	IP67	IP67	IP67, IK10	IP67
Working Temperature	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)
Power	POC/DC12V±30% Max. 10.2W Output: DC12V, Max. 2W	POC/DC12V±30% Max. 6.7W Output: DC12V, Max. 2W	POC/DC12V±30% Max. 7.4W Output: DC12V, Max. 2W	POC/DC12V±30% Max. 12.1W	POC/DC12V±30% Max. 6.7W	POC/DC12V±30% Max. 8.2W

HDCVI CAMERAS

PoC Series

1080P

Model	HAC-HFW1230S-POC	HAC-HFW1230T(-A)-POC	HAC-HDW1230EM-A-POC	HAC-HFW1200S-POC	HAC-HFW1200T(-A)-POC	HAC-HDW1200EM(-A)-POC
Appearance	 Starlight	 Starlight	 Starlight			
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS
Min. Illumination	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR On)	0.02Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85(Color) 0Lux/F1.85 (IR On)	0.02Lux/F1.85(Color) 0Lux/F1.85 (IR On)
Lens	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)
FOV-H	86.9°(106°)	86.9°(106°)	86.9°(106°)	87.5°(103°)	87.5°(103°)	87.5°(103°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	30m (98ft), Smart IR	30m (98ft), Smart IR	50m (164ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	50m (164ft), Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D	2D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	--	Built-in Mic(-A)	Built-in Mic	--	Built-in Mic(-A)	Built-in Mic(-A)
Alarm In/Out	--	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-40°C~-60°C (-40°F ~ +140°F)	-40°C~-60°C (-40°F ~ +140°F)	-40°C~-60°C (-40°F ~ +140°F)	-40°C~-60°C (-40°F ~ +140°F)	-40°C~-60°C (-40°F ~ +140°F)	-40°C~-60°C (-40°F ~ +140°F)
Power	POC/DC12V±30% Max. 4.5W	POC/DC12V±30% Max. 3.7W	POC/DC12V±30% Max. 4.2W	POC/DC12V±30% Max. 4.3W	POC/DC12V±30% Max. 3.6W	POC/DC12V±30% Max. 4.2W

Micro-size Series

Micro-size Series provides various options for scenarios that require small size cameras. Its compact design is environment-friendly with large angle of view.

⊕ KEY FEATURES

Micro Size Design

Impressive micro size housing has minimum impact to the environment.

Large Angle of View

Collects more information and details with one camera.

Various Options

Different kinds of housing can fit any scenario.

Audio over Coax

Collects audio evidence with built-in mic.

HDCVI CAMERAS

Micro-size Series

Model	Pinhole	
	HAC-HUM3201B-P	HAC-HUM3201B-B
Appearance	 Starlight	 Starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Min. Illumination	0.004Lux/F2.4 (Color) 0.0004Lux/F2.4 (B/W)	0.004Lux/F2.4 (Color) 0.0004Lux/F2.4 (B/W)
Lens	2.8mm	2.8mm
FOV-H	103°	110°
Day/Night	ICR	ICR
Max. IR Distance	--	--
OSD Menu	Multi-language	Multi-language
WDR	120dB	120dB
Noise Reduction	2D/3D	2D/3D
Frame Rate	30fps@1080P 30fps@720P	30fps@1080P 30fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable
Audio In	--	--
Alarm In/Out	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~180° Rotation: NA	Pan: 0°~360°; Tilt: 0°~180° Rotation: NA
Ingress Protection	--	--
Working Temperature	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)
Power	DC12V±25% Max. 2.2W	DC12V±25% Max. 2.2W

Micro-size Series

Micro-size

Model	HAC-HDW1220G	HAC-HDW1200L	HAC-HUM1220G	HAC-HUM1220G-B	HAC-HUM1220G-B-P
Appearance					
Image Sensor	1/2.9" 2MP CMOS	1/2.7" 2MP CMOS	1/2.9" 2MP CMOS	1/2.9" 2MP CMOS	1/2.9" 2MP CMOS
Min. Illumination	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.02Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.02Lux/F2.0 (Color) 0.002Lux/F2.0 (B/W)	0.02Lux/F2.0 (Color) 0.002Lux/F2.0 (B/W)	0.02Lux/F2.0 (Color) 0.002Lux/F2.0 (B/W)
Lens	3.6mm (2.8mm, 6mm Optional)	2.1mm	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	2.8mm
FOV-H	82.8°(96°, 51°)	139°	92°(109.4°)	92°(109.4°)	100.5°
Day/Night	ICR	ICR	Electronic	Electronic	Electronic
Max. IR Distance	20m (66ft), Smart IR	3m (10ft), Smart IR	--	--	--
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	2D	2D	2D	2D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Audio In	Built-in Mic	Built-in Mic	--	--	--
Alarm In/Out	--	--	--	--	--
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~80° Rotation: 0°~360°	Pan: 0°~40°; Tilt: 0°~55° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	--	IP67	IP67	--
Working Temperature	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)
Power	DC12V±25% Max 2.9W	DC12V±25% Max. 1.5W	DC12V±25% Max. 0.6W	DC12V±25% Max. 0.6W	DC12V±25% Max. 0.6W

HDCVI PTZ CAMERAS



HDCVI PTZ CAMERAS

Pro Series

The Pro Series PTZ is designed to meet high image quality and low-light surveillance requirements with the help of Starlight technology. Rich housing and model selections are available to meet diverse application needs.

⊕ KEY FEATURES

Great Selection

Wide range of housings and models to suit all requirements.

Optimized Image

High quality image with Starlight technology.

Long IR Range

Cameras provide up to 200m IR range for performance in dark environments.

Powerful Protection

IP66 / IP67 / IK10 ratings ensures cameras can withstand tough conditions.

Pro Series

4MP

Model	SD6CE430I-HC	SD60430I-HC	SD59430I-HC	SD50430I-HC	SD52C430I-HC
Appearance					
Image Sensor	1/3" 4MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS
Min. Illumination	0.05Lux/F1.6(Color) 0Lux/F1.6 (IR on)	0.05Lux/F1.6(Color) 0.005Lux/F1.6 (B/W)	0.05Lux/F1.6(Color) 0Lux/F1.6 (IR on)	0.05Lux/F1.6(Color) 0.005Lux/F1.6 (B/W)	0.05Lux/F1.6(Color) 0.005Lux/F1.6 (B/W)
Lens	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)	4.5~135mm (30x Optical zoom)
FOV-H	60° ~ 2.2°	60° ~ 2.2°	60° ~ 2.2°	60° ~ 2.2°	60° ~ 2.2°
Day/Night	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	200m(656ft)	--	100m(328ft)	--	--
OSD Menu	Supported	Supported	Supported	Supported	Supported
WDR	120dB True WDR	120dB True WDR	120dB True WDR	120dB True WDR	120dB True WDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	30fps@4MP/1080P 30/60fps@720P	30fps@4MP/1080P 30/60fps@720P	30fps@4MP/1080P 30/60fps@720P	30fps@4MP/1080P 30/60fps@720P	30fps@4MP/1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Pan/Tilt	Pan: 0° ~ 360° endless Tilt: -20° ~ 90°	Pan: 0° ~ 360° endless Tilt: -20° ~ 90°	Pan: 0° ~ 360° endless Tilt: -15° ~ 90°	Pan: 0° ~ 360° endless Tilt: 0° ~ 90°	Pan: 0° ~ 360° endless Tilt: 0° ~ 90°
Preset Speed	Pan: 300° /s; Tilt: 200° /s	Pan: 600° /s; Tilt: 500° /s	Pan: 400° /s; Tilt: 300° /s	Pan: 500° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s
Audio In	1	1	1	1	1
Alarm In/Out	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IP67, IK10	IP67, IK10	IP66	IP67, IK10	IK10
Working Temperature	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+70°C (-40°F~+158°F)	-40°C~+60°C (-40°F~+140°F)	-30°C~+60°C (-22°F~+140°F)
Power	AC24V Max. 25W	AC24V Max. 20W	AC24V Max. 23W	AC24V Max. 23W	AC24V Max. 13W

HDCVI PTZ CAMERAS

Pro Series

1080P

Model	SD6CE230I-HC	SD6CE225I-HC	SD60230I-HC(-S3)	SD60225I-HC(-S3)	SD59230I-HC(-S3)	SD59225I-HC(-S3)
Appearance	 starlight	 starlight	 starlight	 starlight	 starlight	 starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Min. Illumination	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)
Lens	4.5~135mm (30x Optical zoom)	4.8~120mm (25x Optical zoom)	4.5~135mm (30x Optical zoom)	4.8~120mm (25x Optical zoom)	4.5~135mm (30x Optical zoom)	4.8~120mm (25x Optical zoom)
FOV-H	67.8° ~ 2.4°	62.8° ~ 2.6°	67.8° ~ 2.4°	62.8° ~ 2.6°	67.8° ~ 2.4°	62.8° ~ 2.6°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	200m(656ft)	200m(656ft)	--	--	150m(492ft)	150m(492ft)
OSD Menu	Supported	Supported	Supported	Supported	Supported	Supported
WDR	120dB True WDR	120dB True WDR	120dB True WDR	120dB True WDR	120dB True WDR	120dB True WDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Pan/Tilt	Pan: 0° ~ 360° endless Tilt: -20° ~ 90°	Pan: 0° ~ 360° endless Tilt: -20° ~ 90°	Pan: 0° ~ 360° endless Tilt: -20° ~ 90°	Pan: 0° ~ 360° endless Tilt: -20° ~ 90°	Pan: 0° ~ 360° endless Tilt: -15° ~ 90°	Pan: 0° ~ 360° endless Tilt: -15° ~ 90°
Preset Speed	Pan: 300°/s Tilt: 200°/s	Pan: 300°/s Tilt: 200°/s	Pan: 600°/s Tilt: 500°/s	Pan: 600°/s Tilt: 500°/s	Pan: 400°/s Tilt: 300°/s	Pan: 400°/s Tilt: 300°/s
Audio In	1	1	1	1	1	1
Alarm In/Out	2/1	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP66	IP66
Working Temperature	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Power	AC24V Max. 25W	AC24V Max. 25W	AC24V Max. 20W	AC24V Max. 20W	AC24V Max. 23W	AC24V Max. 23W

HDCVI PTZ CAMERAS

Pro Series

1080P

720P

Model	SD50230I-HC(-S3)	SD50225I-HC(-S3)	SD52C230I-HC(-S3)	SD52C225I-HC(-S3)	SD59131I-HC(-S3)	SD50131I-HC(-S3)
Appearance	 starlight	 starlight	 starlight	 starlight	 starlight	 starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Min. Illumination	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)
Lens	4.5~135mm (30x Optical zoom)	4.8~120mm (25x Optical zoom)	4.5~135mm (30x Optical zoom)	4.8~120mm (25x Optical zoom)	4.8~150mm (31x Optical zoom)	4.8~150mm (31x Optical zoom)
FOV-H	67.8° ~ 2.4°	62.8° ~ 2.6°	67.8° ~ 2.4°	62.8° ~ 2.6°	58.3° ~ 1.9°	58.3° ~ 1.9°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	--	--	--	--	150m(492ft)	--
OSD Menu	Supported	Supported	Supported	Supported	Supported	Supported
WDR	120dB True WDR	120dB True WDR	120dB True WDR	120dB True WDR	120dB True WDR	120dB True WDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30/60fps@720P	30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Pan/Tilt	Pan: 0° ~ 360° endless Tilt: 0° ~ 90°	Pan: 0° ~ 360° endless Tilt: 0° ~ 90°	Pan: 0° ~ 360° endless Tilt: 0° ~ 90°	Pan: 0° ~ 360° endless Tilt: 0° ~ 90°	Pan: 0° ~ 360° endless Tilt: -15° ~ 90°	Pan: 0° ~ 360° endless Tilt: 0° ~ 90°
Preset Speed	Pan: 500°/s Tilt: 500°/s	Pan: 500°/s Tilt: 500°/s	Pan: 500°/s Tilt: 500°/s	Pan: 500°/s Tilt: 500°/s	Pan: 400°/s Tilt: 300°/s	Pan: 500°/s Tilt: 500°/s
Audio In	1	1	1	1	1	1
Alarm In/Out	2/1	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IP67, IK10	IP67, IK10	IK10	IK10	IP66	IP67, IK10
Working Temperature	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-30°C ~ +60°C (-22°F~+140°F)	-30°C ~ +60°C (-22°F~+140°F)	-40°C~ +70°C (-40°F~+158°F)	-40°C~+60°C (-40°F~+140°F)
Power	AC24V Max. 23W	AC24V Max. 23W	AC24V Max. 13W	AC24V Max. 13W	AC24V Max. 23W	AC24V Max. 23W

Lite Series

The Lite Series PTZ offers a cost/performance solution suitable for a range of applications. Its compact design built with Dahua quality standards and assurance enables the entire range to meet your requirements.

⊕ KEY FEATURES

Compact Design

Small PTZ cameras;
Can fit in a number of places.

Mini IR PTZ

Pan / tilt / zoom and IR functionality in compact housing.

Cost-Effective

Performance and quality are combined at an affordable price.

Powerful Zoom

Up to 31x optical zoom easily covers large areas.

HDCVI PTZ CAMERAS

Lite Series

	1080P		
Model	SD49225I-HC(-S3)	SD49212I-HC(-S3)	SD40212I-HC(-S3)
Appearance	 starlight	 starlight	 starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS
Min. Illumination	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)
Lens	4.8~120mm (25x Optical zoom)	5.3~64mm (12x Optical zoom)	5.3~64mm (12x Optical zoom)
FOV-H	62.8° ~ 2.6°	58.2° ~ 4.8°	58.2° ~ 4.8°
Day/Night	ICR	ICR	ICR
Max. IR Distance	100m(328ft)	100m(328ft)	--
OSD Menu	Supported	Supported	Supported
WDR	120dB True WDR	120dB True WDR	120dB True WDR
Noise Reduction	2D/3D	2D/3D	2D/3D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Pan/Tilt	Pan: 0° ~ 360° endless Tilt: -15° ~ 90°	Pan: 0° ~ 360° endless Tilt: -15° ~ 90°	Pan: 0° ~ 360° endless Tilt: -2° ~ 90°
Preset Speed	Pan: 240°/s Tilt: 200°/s	Pan: 240°/s Tilt: 200°/s	Pan: 300°/s Tilt: 200°/s
Audio In	1	1	1
Alarm In/Out	2/1	2/1	2/1
Ingress Protection	IP66	IP66	IP66, IK10
Working Temperature	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +60°C (-40°F ~ +140°F)
Power	DC12V Max. 20W	DC12V Max. 20W	AC24V Max. 19W

HDCVI PTZ CAMERAS

Lite Series

1080P

720P

Model	SD42212I-HC(-S3)	SD42C212I-HC(-S3)	SD22204I-GC	SD49131I-HC(-S3)
Appearance	 starlight	 starlight		 starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.7" 2MP CMOS	1/2.8" STARVIS™ CMOS
Min. Illumination	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.005Lux/F1.6 (Color) 0.0005Lux/F1.6 (B/W)	0.05Lux/F1.6 (Color) 0.005Lux/F1.6 (B/W)	0.005Lux/F1.6(Color) 0Lux/F1.6 (IR on)
Lens	5.3~64mm (12x Optical zoom)	5.3~64mm (12x Optical zoom)	2.7~11mm (4x Optical zoom)	4.8~150mm (31x Optical zoom)
FOV-H	58.2° ~ 4.8°	58.2° ~ 4.8°	112.5° ~ 39°	58.3° ~ 1.9°
Day/Night	ICR	ICR	ICR	ICR
Max. IR Distance	--	--	--	100m(328ft)
OSD Menu	Supported	Supported	Supported	Supported
WDR	120dB True WDR	120dB True WDR	120dB True WDR	120dB True WDR
Noise Reduction	2D/3D	2D/3D	2D/3D	2D/3D
Frame Rate	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30fps@1080P 30/60fps@720P	30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable	HD/SD Switchable
Pan/Tilt	Pan: 0° ~ 360° endless Tilt: -2° ~ 90°	Pan: 0° ~ 360° endless Tilt: -2° ~ 90°	Pan: 0° ~ 355° Tilt: 0° ~ 90°	Pan: 0° ~ 360° endless Tilt: -15° ~ 90°
Preset Speed	Pan: 300°/s Tilt: 200°/s	Pan: 300°/s Tilt: 200°/s	Pan: 100°/s Tilt: 60°/s	Pan: 240° /s Tilt: 200° /s
Audio In	1	1	--	1
Alarm In/Out	2/1	2/1	--	2/1
Ingress Protection	IP66, IK10	IK10	IP66, IK10	IP66
Working Temperature	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Power	AC24V Max. 10W	AC24V Max. 10W	DC12V Max. 10W	DC12V Max. 20W

HDCVI RECORDERS



AI Series

The AI series adopts powerful multi-core CPU and deep learning algorithm to provide users with the most advanced technologies. Featuring perimeter protection, face recognition, metadata search and SMD Plus, it aims to provide potential risk prevention, real-time event alarm, and quick inquiry afterwards. Enabling an accurate, reliable and efficient video surveillance system, this series can be widely used in applications requiring top-level performance like retail, bank, villa, etc.

⊕ KEY FEATURES

Perimeter Protection

Reduces false alarms with intelligent analysis.

Face Recognition

Enables alarms of suspects on blacklist or authorized access on whitelist.

Metadata Search

Searches target information with attributes, enhancing search accuracy and efficiency.

SMD Plus

Enables accurate alarm for person and vehicle

H.265+/H.265

Improving encoding efficiency, reducing overall system cost.

Raid 0,1,5,6,10

Offers excellent read/write speed and reliable redundant data storage.

AI Series

	8 HDD		2 HDD	
Model	XVR8816S-4KL-I	XVR8208A-4K-I	XVR8216A-4KL-I	XVR8208A-4KL-I
Appearance				
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-16: 4K	CH01-08: 4K	CH01-16: 4K	CH01-08: 4K
Max. HDCVI Recording Rate	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	15fps@4K, 20fps@6MP 20fps@5MP, 30fps@4MP 30fps@3MP, 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P
CVBS Input	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω
IP Camera Input	16+48 Up to 12Mp	8+56 Up to 12Mp	16+48 Up to 12Mp	8+8 Up to 12Mp
Max IP Input/Record	256Mbps/256Mbps	256Mbps/256Mbps	256Mbps/256Mbps	64Mbps/64Mbps
Audio In/out	16/1, 2-way	4/1, 2-way	4/1, 2-way	4/1, 2-way
Max HDD	8x10TB	2x10TB	2x10TB	2x10TB
Display	HDMI1(3840x2160) HDMI2/VGA(1920x1080),TV	HDMI1(3840x2160) HDMI2/VGA(1920x1080)	HDMI1(3840x2160) HDMI2/VGA(1920x1080)	HDMI 1(3840x2160) HDMI 2/VGA(1920x1080)
eSATA	1	--	--	--
USB	2 USB 3.0, 2 USB 2.0	2 USB3.0, 1 USB2.0	2 USB3.0, 1 USB2.0	2 USB3.0, 1 USB2.0
DVD Burner	USB/SATA	USB	USB	USB
Alarm In/Out	16/6	16/3	16/3	16/3
Ethernet	2 Gigabit ports	2 Gigabit ports	2 Gigabit ports	2 Gigabit ports
Remote User Login	128	128	128	128
Dimensions	440x455x95mm (17.3"x17.9"x3.7")	375x328x50mm (14.8"x12.9"x2.0")	375x328x50mm (14.8"x12.9"x2.0")	375x328x50mm (14.8"x12.9"x2.0")
Power	AC 100-240V,50/60Hz,≤40W (Without HDD)	DC12V/5A, ≤35W(Without HDD)	DC12V/5A, ≤35W(Without HDD)	DC12V/5A, ≤35W(Without HDD)
Perimeter Protection	Up to 16 channels	Up to 8 channels	Up to 16 channels	Up to 4 channels
Face Recognition	Up to 24 face pic/s face recognition 6 channel video stream 20 face databases with up to 100,000 face images in total	Up to 24 face pic/s face recognition 6 channel video stream 20 face databases with up to 100,000 face images in total	Up to 24 face pic/s face recognition 6 channel video stream 20 face databases with up to 100,000 face images in total	Up to 12 face pic/s face recognition 2 channel video stream 10 face databases with up to 20,000 face images in total
Metadata	Face, Human Body, Motor Vehicle, Non-motor Vehicle	Face, Human Body, Motor Vehicle, Non-motor Vehicle	Face, Human Body, Motor Vehicle, Non-motor Vehicle	Face, Human Body, Motor Vehicle, Non-motor Vehicle
SMD Plus	--	--	--	--

HDCVI RECORDERS

AI Series

	2 HDD		1 HDD					
Model	XVR7216A-4KL-I	XVR7208A-4KL-I	XVR7116HE-4KL-I	XVR7108HE-4KL-I	XVR7104HE-4KL-I	XVR5116H-I	XVR5108H-I	XVR5104H-I
Appearance								
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-16: 4K	CH01-08: 4K	CH01-16: 4K	CH01-08: 4K	CH01-04: 4K	CH01-16: 5M-N/4M-N/1080P	CH01-08: 5M-N/4M-N/1080P	CH01-04: 5M-N/4M-N/1080P
Max. HDCVI Recording Rate	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P
CVBS Input	16CH, 1.0Vp-p, 75Ω	8CH, 1.0Vp-p, 75Ω	16CH, 1.0Vp-p, 75Ω	8CH, 1.0Vp-p, 75Ω	4CH, 1.0Vp-p, 75Ω	16CH, 1.0Vp-p, 75Ω	8CH, 1.0Vp-p, 75Ω	4CH, 1.0Vp-p, 75Ω
IP Camera Input	16+16 Up to 8Mp	8+8 Up to 8Mp	16+16 Up to 8Mp	8+8 Up to 8Mp	4+4 Up to 8Mp	16+8 Up to 6Mp	8+4 Up to 6Mp	4+2 Up to 6Mp
Max IP Input/Record	128Mbps/128Mbps	64Mbps/64Mbps	128Mbps/128Mbps	64Mbps/64Mbps	32Mbps/32Mbps	96Mbps/96Mbps	48Mbps/48Mbps	24Mbps/24Mbps
Audio In/out	4/1, 2-way	4/1, 2-way	16/1, 2-way	8/1, 2-way	4/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Max HDD	2x10TB	2x10TB	1x10TB	1x10TB	1x10TB	1x10TB	1x10TB	1x6TB
Display	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)	HDMI(2560x1440) VGA(1920x1080) SPOT (configurable)	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)	HDMI(3840x2160) VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)
eSATA	--	--	--	--	--	--	--	--
USB	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	2 USB2.0	1 USB3.0, 1 USB2.0	2 USB2.0	2 USB2.0
DVD Burner	USB	USB	USB	USB	USB	USB	USB	USB
Alarm In/Out	16/3	8/3	16/3	8/3	8/3	-	-	-
Ethernet	1 Gigabit port	1 Gigabit port	1 Gigabit port	1 Gigabit port	1x100M port	1 Gigabit port	1x100M port	1x100M port
Remote User Login	128	128	128	128	128	128	128	128
Dimensions	375x287x53mm (14.8"x11.3"x2.1")	375x287x53mm (14.8"x11.3"x2.1")	325x255x55mm (12.8"x10.0"x2.2")	325x255x55mm (12.8"x10.0"x2.2")	325x255x55mm (12.8"x10.0"x2.2")	325x255x55mm (12.8"x10.0"x2.2")	325x255x55mm (12.8"x10.0"x2.2")	325x255x55mm (12.8"x10.0"x2.2")
Power	DC12V/5A, ≤15W(Without HDD)	DC12V/4A, ≤10W(Without HDD)	DC12V/5A, ≤15W(Without HDD)	DC12V/4A, ≤10W(Without HDD)	DC12V/4A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/1.5A, ≤10W(Without HDD)
Perimeter Protection	Up to 2 channels	Up to 2 channels	Up to 2 channels	Up to 2 channels	Up to 2 channels	Up to 2 channels	Up to 2 channels	Up to 2 channels
Face Recognition	Up to 12 face pic/s face recognition 2 channel video stream 10 face database with up to 10,000 face images in total	Up to 12 face pic/s face recognition 2 channel video stream 10 face database with up to 10,000 face images in total	Up to 12 face pic/s face recognition 2 channel video stream 10 face database with up to 10,000 face images in total	Up to 12 face pic/s face recognition 2 channel video stream 10 face database with up to 10,000 face images in total	Up to 12 face pic/s face recognition 2 channel video stream 10 face database with up to 10,000 face images in total	Up to 12 face pic/s face recognition 2 channel video stream 10 face database with up to 10,000 face images in total	--	--
Metadata	--	--	--	--	--	--	--	--
SMD Plus	Up to 16 channels	Up to 8 channels	Up to 16 channels	Up to 8 channels	Up to 4 channels	Up to 16 channels	Up to 8 channels	Up to 4 channels

Pro H.265 4K Series

The Pro H.265 4K Series is a perfect choice for mid to large-scale business and projects where both high reliability and flexibility are required. With the adoption of Smart H.265+/H.265, the series can effectively improve encoding efficiency and save bandwidth/storage costs while ensuring video quality in high resolution (4MP / 4K) surveillance scenarios.

The series also supports advanced Point of Sale(POS) and Internet of Things (IoT) functions that make the system smarter and more convenient to use.

⊕ KEY FEATURES

H.265+/H.265

Improves encoding efficiency, reducing overall system cost.

SMD

Effectively filters out false alarms and achieves quick target search.

All-over-Coax

Coaxial audio/alarm/firmware upgrade.

IoT

Achieves multi-dimensional security by integrating sensors with video.

POS

POS ticket information overlay and search.

Super Performance

Supports N+N channels IPC access, each channel up to 8MP input.

Pro H.265 4K Series

	8 HDD		4 HDD	2 HDD		
Model	XVR7816S-4KL-X-LP	XVR7816S-4KL-X	XVR7416L-4KL-X	XVR7208A-4K-X	XVR7216A-4KL-X	XVR7208A-4KL-X
Appearance	 	 	 	 	 	 
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-16: 4K	CH01-16: 4K	CH01-16: 4K	CH01-08: 4K	CH01-16: 4K	CH01-08: 4K
Max. HDCVI Recording Rate	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP 30fps@4M-N 30fps@1080P	15fps@4K, 20fps@6MP 20fps@5MP, 30fps@4MP 30fps@3MP 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP 30fps@4M-N 30fps@1080P
CVBS Input	16CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω
IP Camera Input	16+16 Up to 12Mp	16+16 Up to 12Mp	16+16 Up to 12Mp	8+8 Up to 8MP	16+16 Up to 8MP	8+8 Up to 8MP
Max IP Input/Record	320Mbps/320Mbps	128Mbps/128Mbps	128Mbps/128Mbps	64Mbps/64Mbps	128Mbps/128Mbps	64Mbps/64Mbps
Audio In/out	16/1, 2-way	16/1, 2-way	4/1, 2-way	4/1, 2-way	4/1, 2-way	4/1, 2-way
Max HDD	8x10TB	8x10TB	4x10TB	2x10TB	2x10TB	2x10TB
Display	HDMI 1(3840x2160) HDMI 2/ VGA(1920x1080),TV	HDMI 1(3840x2160) HDMI 2/ VGA(1920x1080),TV	HDMI 1(3840x2160) HDMI 2/ VGA(1920x1080),TV	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)
eSATA	1	1	1	--	--	--
USB	2 USB 3.0, 2 USB 2.0	2 USB 3.0, 2 USB 2.0	2 USB 3.0, 1 USB 2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0
DVD Burner	USB/SATA	USB/SATA	USB/SATA	USB	USB	USB
Alarm In/Out	16/6	16/6	16/6	8/3	16/3	8/3
Ethernet	2 Gigabit ports	2 Gigabit ports	1 Gigabit port	1 Gigabit port	1 Gigabit port	1 Gigabit port
Remote User Login	128	128	128	128	128	128
Dimensions	440x455x95mm (17.3"x17.9"x3.7")	440x455x95mm (17.3"x17.9"x3.7")	440x417x76mm (17.3"x16.9"x3.0")	375x287x53mm (14.8"x11.3"x2.1")	375x287x53mm (14.8"x11.3"x2.1")	375x287x53mm (14.8"x11.3"x2.1")
Power	AC 100-240V,50/60Hz, ≤35W (Without HDD)	AC 100-240V,50/60Hz, ≤35W (Without HDD)	AC 100-240V,50/60Hz, ≤35W (Without HDD)	DC12V/5A, ≤15W (Without HDD)	DC12V/5A, ≤15W (Without HDD)	DC12V/4A, ≤10W (Without HDD)
Intelligent Video	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection
Star Features	Loop, IoT, POS, P2P Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	IoT, POS, P2P Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	IoT, POS, P2P Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	IoT, POS, P2P, Coaxial Audio/Alarm/Upgrade, 2D/3DNR	IoT, POS, P2P, Coaxial Audio/Alarm/Upgrade, 2D/3DNR	IoT, POS, P2P, Coaxial Audio/Alarm/Upgrade, 2D/3DNR

HDCVI RECORDERS

Pro H.265 4K Series

1 HDD

Model	XVR7108HE-4K-X	XVR7116HE-4KL-X	XVR7108HE-4KL-X	XVR7104HE-4KL-X	XVR7108E-4KL-B-X	XVR7104E-4KL-B-X	XVR7108E-4KL-X	XVR7104E-4KL-X
Appearance	 	 	 	 	 	 	 	 
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-08: 4K	CH01-16: 4K	CH01-08: 4K	CH01-04: 4K	CH01-08: 4K	CH01-04: 4K	CH01-08: 4K	CH01-04: 4K
Max. HDCVI Recording Rate	15fps@4K, 20fps@6MP 20fps@5MP, 30fps@4MP 30fps@3MP, 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	7fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	15fps@4K, 20fps@6MP 20fps@5MP, 30fps@4MP 30fps@3MP, 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	15fps@4K, 20fps@6MP 20fps@5MP, 30fps@4MP 30fps@3MP, 30fps@1080P
CVBS Input	8CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	4CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	4CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	4CH,1.0Vp-p,75Ω
IP Camera Input	8+8 Up to 8MP	16+16 Up to 8MP	8+8 Up to 8MP	4+4 Up to 8MP	8+8 Up to 8MP	4+4 Up to 8MP	8+8 Up to 8MP	4+4 Up to 8MP
Max IP Input/Record	64Mbps/64Mbps	128Mbps/128Mbps	64Mbps/64Mbps	32Mbps/32Mbps	64Mbps/64Mbps	32Mbps/32Mbps	64Mbps/64Mbps	32Mbps/32Mbps
Audio In/out	8/1, 2-way	16/1, 2-way	8/1, 2-way	4/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Max HDD	1×10TB	1×10TB	1×10TB	1×10TB	1×10TB	1×10TB	1×10TB	1×10TB
Display	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)	HDMI(3840x2160) VGA(1920x1080) SPOT (configurable)
eSATA	--	--	--	--	--	--	--	--
USB	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	2 USB2.0	1 USB3.0, 2 USB2.0	1 USB3.0, 2 USB2.0	1 USB3.0, 2 USB2.0	1 USB3.0, 2 USB2.0
DVD Burner	USB	USB	USB	USB	USB	USB	USB	USB
Alarm In/Out	8/3	16/3	8/3	8/3	--	--	--	--
Ethernet	1 Gigabit port	1 Gigabit port	1 Gigabit port	1x100M port	1 Gigabit port	1 Gigabit port	1 Gigabit port	1 Gigabit port
Remote User Login	128	128	128	128	128	128	128	128
Dimensions	325×255×55mm (12.8"×10.0"×2.2")	325×255×55mm (12.8"×10.0"×2.2")	325×255×55mm (12.8"×10.0"×2.2")	325×255×55mm (12.8"×10.0"×2.2")	260×140×87mm (10.2"×5.5"×3.4")	260×140×87mm (10.2"×5.5"×3.4")	260×140×87mm (10.2"×5.5"×3.4")	260×140×87mm (10.2"×5.5"×3.4")
Power	DC12V/2A, ≤15W(Without HDD)	DC12V/3A, ≤15W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/5A, ≤10W(Without HDD)	DC12V/4A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)
Intelligent Video	Tripwire,Intrusion,Abandoned/ Missing,Face Detection	Tripwire,Intrusion,Abandoned/ Missing,Face Detection	Tripwire,Intrusion,Abandoned/ Missing,Face Detection	Tripwire,Intrusion,Abandoned/ Missing,Face Detection	Tripwire,Intrusion,Abandoned/ Missing,Face Detection	Tripwire,Intrusion,Abandoned/ Missing,Face Detection	Tripwire,Intrusion,Abandoned/ Missing,Face Detection	Tripwire,Intrusion,Abandoned/ Missing,Face Detection
Star Features	IoT, POS, P2P, Coaxial Audio/ Alarm/Upgrade, 2D/3DNR	IoT, POS, P2P, Coaxial Audio/ Alarm/Upgrade, 2D/3DNR	IoT, POS, P2P, Coaxial Audio/ Alarm/Upgrade, 2D/3DNR	IoT, POS, P2P, Coaxial Audio/ Alarm/Upgrade, 2D/3DNR	Built-in Battery, IoT, POS, P2P Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	Built-in Battery, IoT, POS, P2P Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	IoT, POS, P2P Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	IoT, POS, P2P Coaxial Audio/Alarm/ Upgrade, 2D/3DNR

Lite H.265 4K Series

As the first technology to release 4K-over-coax, HDCVI leads the industry again with a new and complete 4K product series which better fits the needs of various applications and projects with different scales and budgets.

The adoption of Smart H.265+/H.265 improves encoding efficiency, saves bandwidth/storage costs, and significantly reduces the Total Cost of Ownership (TCO).

⊕ KEY FEATURES

Cost/Performance

Advanced processors provide good image quality and color with optimized cost effectiveness.

SMD

Effectively filters out false alarms and achieves quick target search.

H.265+/H.265

Improves encoding efficiency, reducing overall system cost.

High Definition

Up to 4K resolution available.

All-over-Coax

Coaxial audio/alarm/firmware upgrade.

POS

POS ticket information overlay and search.

Lite H.265 4K Series

2 HDD

Model	XVR5216AN-4KL-X	XVR5208AN-4KL-X
Appearance		
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-16: 4K	CH01-08: 4K
Max. HDCVI Recording Rate	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P
CVBS Input	16CH, 1.0Vp-p, 75Ω	8CH, 1.0Vp-p, 75Ω
IP Camera Input	16+8 Up to 8MP	8+4 Up to 8MP
Max IP Input/Record	96Mbps/96Mbps	48Mbps/48Mbps
Audio In/out	1/1, 2-way	1/1, 2-way
Max HDD	2×10TB	2×10TB
Display	HDMI(3840x2160) VGA(1920x1080)	HDMI(3840x2160) VGA(1920x1080)
eSATA	--	--
USB	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0
DVD Burner	USB	USB
Alarm In/Out	--	--
Ethernet	1 Gigabit port	1 Gigabit port
Remote User Login	128	128
Dimensions	375×287×53mm (14.8"×11.3"×2.1")	375×287×53mm (14.8"×11.3"×2.1")
Power	DC12V/5A, ≤15W(Without HDD)	DC12V/4A, ≤15W(Without HDD)
Intelligent Video	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection
Star Features	POS, P2P, Coaxial Audio/Alarm/Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/Alarm/Upgrade, 2D/3DNR

HDCVI RECORDERS

Lite H.265 4K Series

1 HDD

Model	XVR5116H-4KL-X	XVR5108H-4KL-X	XVR5104H-4KL-X	XVR5108HS-4KL-X	XVR5104HS-4KL-X	XVR5104C-4KL-X
Appearance						
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-16: 4K	CH01-08: 4K	CH01-04: 4K	CH01-08: 4K	CH01-04: 4K	CH01-04: 4K
Max. HDCVI Recording Rate	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	7fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	7fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	7fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P
CVBS Input	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	4CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	4CH,1.0Vp-p,75Ω	4CH,1.0Vp-p,75Ω
IP Camera Input	16+8 Up to 8MP	8+4 Up to 8MP	4+2 Up to 8MP	8+4 Up to 8MP	4+2 Up to 8MP	4+2 Up to 8MP
Max IP Input/Record	96Mbps/96Mbps	48Mbps/48Mbps	24Mbps/24Mbps	48Mbps/48Mbps	24Mbps/24Mbps	24Mbps/24Mbps
Audio In/out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Max HDD	1x10TB	1x10TB	1x10TB	1x10TB	1x10TB	1x10TB
Display	HDMI(3840x2160) VGA(1920x1080)	HDMI(3840x2160) VGA(1920x1080)	HDMI(3840x2160) VGA(1920x1080)	HDMI(3840x2160) VGA(1920x1080)	HDMI(3840x2160) VGA(1920x1080)	HDMI(3840x2160) VGA(1920x1080)
eSATA	--	--	--	--	--	--
USB	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	2 USB2.0	1 USB3.0, 1 USB2.0	2 USB2.0	2 USB2.0
DVD Burner	USB	USB	USB	USB	USB	USB
Alarm In/Out	--	--	--	--	--	--
Ethernet	1 Gigabit port	1 Gigabit port	1x100M port	1 Gigabit port	1x100M port	1x100M port
Remote User Login	128	128	128	128	128	128
Dimensions	325x255x55mm (12.8"x10.0"x2.2")	325x255x55mm (12.8"x10.0"x2.2")	325x255x55mm (12.8"x10.0"x2.2")	260x236x48mm (10.2"x9.3"x1.9")	260x236x48mm (10.2"x9.3"x1.9")	205x211x45mm (8.1"x8.3"x1.8")
Power	DC12V/3A, ≤15W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)
Intelligent Video	Tripwire,Intrusion,Abandoned/ Missing,Face Detection	Tripwire,Intrusion,Abandoned/ Missing,Face Detection	Tripwire,Intrusion,Abandoned/ Missing,Face Detection	Tripwire,Intrusion,Abandoned/ Missing,Face Detection	Tripwire,Intrusion,Abandoned/ Missing,Face Detection	Tripwire,Intrusion,Abandoned/ Missing,Face Detection
Star Features	POS, P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	POS, P2P,Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	POS, P2P,Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	POS, P2P,Coaxial Audio/Alarm/ Upgrade, 2D/3DNR

Lite H.265 1080P Series

The Lite H.265 1080P Series is designed for cost-effective and high performance applications. It offers great solutions for users facing budget constraints and requiring both quality and performance.

The adoption of Smart H.265+/H.265 improves encoding efficiency, saves bandwidth/storage costs, and significantly reduces the Total Cost of Ownership (TCO).

⊕ KEY FEATURES

Cost/Performance

Advanced processors provide good image quality and color with optimized cost effectiveness.

SMD

Effectively filters out false alarms and achieves quick target search.

H.265+/H.265

Improves encoding efficiency, reducing overall system cost.

High Definition

Up to 5MP/4MP cameras access and 5M-N/4M-N encoding.

All-over-Coax

Coaxial audio/alarm/firmware upgrade.

POS

POS ticket information overlay and search.

Lite H.265 1080P Series

	8 HDD			4 HDD
Model	XVR5832S-X	XVR5816S-X	XVR5808S-X	XVR5432L-X
Appearance				
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-32: 5M-N/4M-N/1080P	CH01-16: 5M-N/4M-N/1080P	CH01-08: 5M-N/4M-N/1080P	CH01-32: 5M-N/4M-N/1080P
Max. HDCVI Recording Rate	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P
CVBS Input	32CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	32CH,1.0Vp-p,75Ω
IP Camera Input	32 Up to 8Mp	16+8 Up to 8MP	8+4 Up to 6Mp	32 Up to 8Mp
Max IP Input/Record	128Mbps/128Mbps	96Mbps/96Mbps	48Mbps/48Mbps	128Mbps/128Mbps
Audio In/out	16/1, 2-way	16/1, 2-way	8/1, 2-way	4/1, 2-way
Max HDD	8×10TB	8×10TB	8×10TB	4×10TB
Display	HDMI 1(3840x2160) HDMI 2/VGA(1920x1080),TV	HDMI 1(3840x2160) HDMI 2/VGA(1920x1080),TV	HDMI/VGA(1920x1080), TV	HDMI 1(3840x2160) HDMI 2/VGA(1920x1080),TV
eSATA	1	1	1	1
USB	2 USB 3.0, 2 USB 2.0	2 USB 3.0, 2 USB 2.0	4 USB 2.0	2 USB 3.0, 1 USB 2.0
DVD Burner	USB/SATA	USB/SATA	USB/SATA	USB/SATA
Alarm In/Out	16/6	16/6	8/6	16/6
Ethernet	2 Gigabit ports	2 Gigabit ports	1 Gigabit port	1 Gigabit port
Remote User Login	128	128	128	128
Dimensions	440×455×95mm (17.3"×17.9"×3.7")	440×455×95mm (17.3"×17.9"×3.7")	440×455×95mm (17.3"×17.9"×3.7")	440×417×76mm (17.3"×16.4"×3.0")
Power	AC 100-240V,50/60Hz, ≤35W(Without HDD)	AC 100-240V,50/60Hz, ≤35W(Without HDD)	AC 100-240V,50/60Hz, ≤35W(Without HDD)	AC 100-240V,50/60Hz, ≤35W(Without HDD)
Intelligent Video	Tripwire,Intrusion,Abandoned/ Missing, Face Detection	Tripwire,Intrusion,Abandoned/ Missing, Face Detection	Tripwire,Intrusion,Abandoned/ Missing, Face Detection	Tripwire,Intrusion,Abandoned/ Missing, Face Detection
Star Features	POS, P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR

HDCVI RECORDERS

Lite H.265 1080P Series

	4 HDD		2 HDD			1 HDD		
Model	XVR5416L-X	XVR5408L-X	XVR5232AN-X	XVR5216AN-X	XVR5216A-X	XVR5116HE-X	XVR5108HE-X	XVR5104HE-X1
Appearance								
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-16: 5M-N/4M-N/1080P	CH01-08: 5M-N/4M-N/1080P	CH01-32: 5M-N/4M-N/1080P	CH01-16: 5M-N/4M-N/1080P	CH01-16: 5M-N/4M-N/1080P	CH01-16: 5M-N/4M-N/1080P	CH01-08: 5M-N/4M-N/1080P	CH01-04: 5M-N/4M-N/1080P
Max. HDCVI Recording Rate	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P
CVBS Input	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	32CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	4CH,1.0Vp-p,75Ω
IP Camera Input	16+8 Up to 8Mp	8+4 Up to 6Mp	32 Up to 6MP	16+8 Up to 6MP	16+8 Up to 6MP	16+8 Up to 6MP	8+4 Up to 6MP	4+2 Up to 6MP
Max IP Input/Record	96Mbps/96Mbps	48Mbps/48Mbps	128Mbps/128Mbps	96Mbps/96Mbps	96Mbps/96Mbps	96Mbps/96Mbps	48Mbps/48Mbps	24Mbps/24Mbps
Audio In/out	4/1, 2-way	4/1, 2-way	1/1, 2-way	1/1, 2-way	4/1, 2-way	16/1, 2-way	8/1, 2-way	4/1, 2-way
Max HDD	4×10TB	4×10TB	2×10TB	2×10TB	2×10TB	1×10TB	1×10TB	1×6TB
Display	HDMI 1(3840x2160) HDMI 2/VGA(1920x1080),TV	HDMI/VGA(1920x1080), TV	HDMI(3840x2160) VGA(1920x1080),TV	HDMI(3840x2160) VGA(1920x1080)	HDMI(3840x2160) VGA(1920x1080)	HDMI(3840x2160) VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)
eSATA	1	1	--	--	--	--	--	--
USB	2 USB 3.0, 1 USB 2.0	3 USB 2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	2 USB2.0	2 USB2.0
DVD Burner	USB/SATA	USB/SATA	USB	USB	USB	USB	USB	USB
Alarm In/Out	16/6	8/6	--	--	16/3	16/3	8/3	8/3
Ethernet	1 Gigabit port	1 Gigabit port	1 Gigabit port	1 Gigabit port	1 Gigabit port	1 Gigabit port	1x100M port	1x100M port
Remote User Login	128	128	128	128	128	128	128	128
Dimensions	440×417×76mm (17.3"×16.4"×3.0")	440×417×76mm (17.3"×16.4"×3.0")	375×287×53mm (14.8"×11.3"×2.1")	375×287×53mm (14.8"×11.3"×2.1")	375×287×53mm (14.8"×11.3"×2.1")	325×255×55mm (12.8"×10.0"×2.2")	325×255×55mm (12.8"×10.0"×2.2")	325×255×55mm (12.8"×10.0"×2.2")
Power	AC 100-240V,50/60Hz, ≤35W(Without HDD)	AC 100-240V,50/60Hz, ≤35W(Without HDD)	DC12V/5A, ≤15W(Without HDD)	DC12V/4A, ≤15W(Without HDD)	DC12V/4A, ≤15W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/1.5A, ≤10W(Without HDD)
Intelligent Video	Tripwire,Intrusion, Abandoned/Missing, Face Detection	Tripwire,Intrusion, Abandoned/Missing, Face Detection	Tripwire,Intrusion, Abandoned/Missing, Face Detection	Tripwire,Intrusion, Abandoned/Missing, Face Detection	Tripwire,Intrusion, Abandoned/Missing, Face Detection	Tripwire,Intrusion, Abandoned/Missing, Face Detection	Tripwire,Intrusion, Abandoned/Missing, Face Detection	Tripwire,Intrusion, Abandoned/Missing, Face Detection
Star Features	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR

HDCVI RECORDERS

Lite H.265 1080P Series

1 HDD

Model	XVR5116H-X	XVR5108H-X	XVR5104H-X1	XVR5116HS-X	XVR5108HS-X	XVR5104HS-X1	XVR5108C-X	XVR5104C-X1
Appearance								
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-16: 5M-N/4M-N/1080P	CH01-08: 5M-N/4M-N/1080P	CH01-04: 5M-N/4M-N/1080P	CH01-16: 5M-N/4M-N/1080P	CH01-08: 5M-N/4M-N/1080P	CH01-04: 5M-N/4M-N/1080P	CH01-08: 5M-N/4M-N/1080P	CH01-04: 5M-N/4M-N/1080P
Max. HDCVI Recording Rate	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P
CVBS Input	16CH, 1.0Vp-p, 75Ω	8CH, 1.0Vp-p, 75Ω	4CH, 1.0Vp-p, 75Ω	16CH, 1.0Vp-p, 75Ω	8CH, 1.0Vp-p, 75Ω	4CH, 1.0Vp-p, 75Ω	8CH, 1.0Vp-p, 75Ω	4CH, 1.0Vp-p, 75Ω
IP Camera Input	16+8 Up to 6MP	8+4 Up to 6MP	4+2 Up to 6MP	16+8 Up to 6MP	8+4 Up to 6MP	4+2 Up to 6MP	8+4 Up to 6MP	4+2 Up to 6MP
Max IP Input/Record	96Mbps/96Mbps	48Mbps/48Mbps	24Mbps/24Mbps	96Mbps/96Mbps	48Mbps/48Mbps	24Mbps/24Mbps	48Mbps/48Mbps	24Mbps/24Mbps
Audio In/out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Max HDD	1×10TB	1×10TB	1×6TB	1×10TB	1×10TB	1×6TB	1×10TB	1×6TB
Display	HDMI(3840x2160) VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI(3840x2160) VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)
eSATA	--	--	--	--	--	--	--	--
USB	1 USB3.0, 1 USB2.0	2 USB2.0	2 USB2.0	1 USB3.0, 1 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
DVD Burner	USB	USB	USB	USB	USB	USB	USB	USB
Alarm In/Out	--	--	--	--	--	--	--	--
Ethernet	1 Gigabit port	1x100M port	1x100M port	1 Gigabit port	1x100M port	1x100M port	1x100M port	1x100M port
Remote User Login	128	128	128	128	128	128	128	128
Dimensions	325×255×55mm (12.8"×10.0"×2.2")	325×255×55mm (12.8"×10.0"×2.2")	325×255×55mm (12.8"×10.0"×2.2")	260×236×48mm (10.2"×9.3"×1.9")	260×236×48mm (10.2"×9.3"×1.9")	260×236×48mm (10.2"×9.3"×1.9")	205×211×45mm (8.1"×8.3"×1.8")	205×211×45mm (8.1"×8.3"×1.8")
Power	DC12V/2A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/1.5A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/1.5A, ≤10W(Without HDD)	DC12V/2A, ≤10W(Without HDD)	DC12V/1.5A, ≤10W(Without HDD)
Intelligent Video	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection
Star Features	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR	POS, P2P, Coaxial Audio/ Alarm/ Upgrade, 2D/3DNR

HDCVI RECORDERS

Lite H.265 720P Series

Lite H.265 720P Series

The Lite H.265 720P series offers a cost/performance solution suitable for various applications. Designed as a fully compatible product, XVR is able to provide end user the simplicity of analog system, lower system cost, simple installation and use of existing cable.

⊕ KEY FEATURES

Cost/Performance

Provides high performance and guaranteed quality at attractive price.

H.265+/H.265

Improves encoding efficiency, reducing overall system cost.

High Definition

Up to 1080P cameras access and 1080N encoding.

All-over-coax

Coaxial audio/alarm/firmware upgrade.

2 HDD

Model	XVR4232AN-X	XVR4216AN-X
Appearance		
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-32: 1080N/720P	CH01-16: 1080N/720P
Max. HDCVI Recording Rate	15fps@1080N 15fps@720P	15fps@1080N 15fps@720P
CVBS Input	32CH, 1.0Vp-p, 75Ω	16CH, 1.0Vp-p, 75Ω
IP Camera Input	16 Up to 6MP	16+2 Up to 6MP
Max IP Input/Record	64Mbps/64Mbps	72Mbps/72Mbps
Audio In/out	1/1, 2-way	1/1, 2-way
Max HDD	2×10TB	2×10TB
Display	HDMI/VGA(1920x1080) TV	HDMI/VGA(1920x1080)
eSATA	--	--
USB	1 USB3.0, 1 USB2.0	2 USB2.0
DVD Burner	USB	USB
Alarm In/Out	--	--
Ethernet	1 Gigabit port	1x100M port
Remote User Login	128	128
Dimensions	375×287×53mm (14.8"×11.3"×2.1")	375×287×53mm (14.8"×11.3"×2.1")
Power	DC12V/4A, ≤15W(Without HDD)	DC12V/4A, ≤15W(Without HDD)
Intelligent Video	--	--
Star Features	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR

HDCVI RECORDERS

Lite H.265 720P Series

1 HDD

Model	XVR4116HS-X	XVR4108HS-X1	XVR4104HS-X1	XVR4108C-X1	XVR4104C-X1
Appearance					
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-16: 1080N/720P	CH01-08: 1080N/720P	CH01-04: 1080N/720P	CH01-08: 1080N/720P	CH01-04: 1080N/720P
Max. HDCVI Recording Rate	15fps@1080N 15fps@720P	15fps@1080N 15fps@720P	30fps@1080N 30fps@720P	15fps@1080N 15fps@720P	30fps@1080N 30fps@720P
CVBS Input	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	4CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	4CH,1.0Vp-p,75Ω
IP Camera Input	16+2 Up to 6MP	8+2 Up to 6Mp	4+1 Up to 2Mp	8+2 Up to 6Mp	4+1 Up to 2Mp
Max IP Input/Record	72Mbps/72Mbps	40Mbps/40Mbps	20Mbps/20Mbps	40Mbps/40Mbps	20Mbps/20Mbps
Audio In/out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Max HDD	1×10TB	1×6TB	1×6TB	1×6TB	1×6TB
Display	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)
eSATA	--	--	--	--	--
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
DVD Burner	USB	USB	USB	USB	USB
Alarm In/Out	--	--	--	--	--
Ethernet	1x100M port	1x100M port	1x100M port	1x100M port	1x100M port
Remote User Login	128	128	128	128	128
Dimensions	260×236×48mm (10.2"×9.3"×1.9")	260×236×48mm (10.2"×9.3"×1.9")	260×236×48mm (10.2"×9.3"×1.9")	205×211×45mm (8.1"×8.3"×1.8")	205×211×45mm (8.1"×8.3"×1.8")
Power	DC12V/2A, ≤10W (Without HDD)	DC12V/1.5A, ≤10W (Without HDD)	DC12V/1.5A, ≤10W (Without HDD)	DC12V/1.5A, ≤10W (Without HDD)	DC12V/1.5A, ≤10W (Without HDD)
Intelligent Video	--	--	--	--	--
Star Features	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR

Cooper Series

Cooper series makes the best of simple and cost-effective HDCVI solution. It meets the basic requirement of reliable HD video surveillance and saves budget for customers on both device and labor. Cooper series is an ideal choice for SMB solutions, as well as a perfect option for replacing underperforming analog or other HD analog systems.

⊕ KEY FEATURES

Cost/Performance

Provides high performance and guaranteed quality at attractive price.

H.265+/H.265

Improving encoding efficiency, reducing overall system cost.

Metal Case

Industrial design makes its system more stable and reliable.

All-over-coax

Coaxial audio/alarm/firmware upgrade.

HDCVI RECORDERS

Cooper Series

1HDD

Model	XVR1B16H	XVR1B08H	XVR1B04H
Appearance			
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM
Video Standardt	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-16: 5M-N/4M-N/1080P	CH01-08: 5M-N/4M-N/1080P	CH01-04: 5M-N/4M-N/1080P
Max. HDCVI Recording Rate	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P	10fps@5M-N, 15fps@4M-N 15fps@1080P, 30fps@720P
CVBS Input	16CH, 1.0Vp-p, 75Ω	8CH, 1.0Vp-p, 75Ω	4CH, 1.0Vp-p, 75Ω
IP Camera Input	16+8 Up to 6MP	8+4 Up to 6MP	4+2 Up to 6MP
Max IP Input/Record	96Mbps/96Mbps	48Mbps/48Mbps	24Mbps/24Mbps
Audio In/out	1/1, 2-way	1/1, 2-way	1/1, 2-way
Max HDD	1×6TB	1×6TB	1×6TB
Display	HDMI(3840x2160) VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)
eSATA	--	--	--
USB	1 USB3.0, 1 USB2.0	2 USB2.0	2 USB2.0
DVD Burner	USB	USB	USB
Alarm In/Out	--	--	--
Ethernet	1 Gigabit port	1x100M port	1x100M port
Remote User Login	128	128	128
Dimensions	260×236×48mm (10.2"×9.3"×1.9")	197×192×41mm (7.8"×7.6"×1.6")	197mm×192mm×41mm (7.8"×7.6"×1.6")
Power	DC12V/2A, ≤10W(Without HDD)	DC12V/1.5A, ≤10W(Without HDD)	DC12V/1.5A, ≤10W(Without HDD)
Intelligent Video	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection
Star Features	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR

HDCVI RECORDERS

Cooper Series

1HDD

Model	XVR1B16	XVR1B08	XVR1B04	XVR1A08	XVR1A04
Appearance					
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.264+/H.264	H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM
Video Standardt	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-16: 1080N/720P	CH01-08: 1080N/720P	CH01-04: 1080N/720P	CH01-08: 1080N/720P	CH01-04: 1080N/720P
Max. HDCVI Recording Rate	15fps@1080N 15fps@720P	15fps@1080N 15fps@720P	30fps@1080N 30fps@720P	12fps@1080N 15fps@720P	30fps@1080N 30fps@720P
CVBS Input	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	4CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	4CH,1.0Vp-p,75Ω
IP Camera Input	16+2 Up to 6Mp	8+2 Up to 6Mp	4+1 Up to 2MP	8+2 Up to 5Mp	4+1 Up to 2Mp
Max IP Input/Record	72Mbps/72Mbps	40Mbps/40Mbps	20Mbps/20Mbps	40Mbps/40Mbps	20Mbps/20Mbps
Audio In/out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Max HDD	1x6TB	1x6TB	1x6TB	1x6TB	1x6TB
Display	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)
eSATA	--	--	--	--	--
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
DVD Burner	USB	USB	USB	USB	USB
Alarm In/Out	--	--	--	--	--
Ethernet	1x100M port	1x100M port	1x100M port	1x100M port	1x100M port
Remote User Login	128	128	128	128	128
Dimensions	260x236x48mm (10.2"x9.3"x1.9")	197x192x41mm (7.8"x7.6"x1.6")	197x192x41mm (7.8"x7.6"x1.6")	197x192x41mm (7.8"x7.6"x1.6")	197x192x41mm (7.8"x7.6"x1.6")
Power	DC12V/2A, ≤10W(Without HDD)	DC12V/1.5A, ≤10W(Without HDD)	DC12V/1.5A, ≤10W(Without HDD)	DC12V/1.5A, ≤10W(Without HDD)	DC12V/1.5A, ≤10W(Without HDD)
Intelligent Video	--	--	--	--	--
Star Features	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR

HDCVI RECORDERS

PoC Series

PoC, referred to as Power over Coax, transmits both video and electrical power over a single coaxial cable. By eliminating separate camera power supplies, HDCVI PoC technology further simplifies HDCVI system deployment, therefore reducing time and cost.

⊕ KEY FEATURES

Cost/Performance

Provides high performance and guaranteed quality at attractive price.

SMD

Effectively filters out false alarms and achieves quick target search.

H.265+/H.265

Improving encoding efficiency, reducing overall system cost.

High Definition

Up to 4K resolution available.

Long Distance Transmission

Up to 400m for 720P and 300m for 1080P transmission.

All-over-coax

Coaxial audio/alarm/firmware upgrade.

PoC Series

	2 HDD		1 HDD	2 HDD	1 HDD	
Model	XVR5216AN-4KL-X-16P	XVR5208AN-4KL-X-8P	XVR5108H-4KL-X-8P	XVR5216AN-X-16P	XVR5108H-X-8P	XVR5104H-X-4P
Appearance	 	 	 	 	 	 
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Recording Resolution	CH01-16: 4K	CH01-08: 4K	CH01-08: 4K	CH01-16: 5M-N/4M-N/1080P	CH01-08: 5M-N/4M-N/1080P	CH01-04: 5M-N/4M-N/1080P
Max. HDCVI Recording Rate	10fps@4K 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP 15fps@3MP, 30fps@4M-N 30fps@1080P	10fps@5M-N 15fps@4M-N 15fps@1080P 30fps@720P	10fps@5M-N 15fps@4M-N 15fps@1080P 30fps@720P	10fps@5M-N 15fps@4M-N 15fps@1080P 30fps@720P
CVBS Input	16CH, 1.0Vp-p, 75Ω	8CH, 1.0Vp-p, 75Ω	8CH, 1.0Vp-p, 75Ω	16CH, 1.0Vp-p, 75Ω	8CH, 1.0Vp-p, 75Ω	4CH, 1.0Vp-p, 75Ω
IP Camera Input	16+8 Up to 8Mp	8+4 Up to 8Mp	8+4 Up to 8Mp	16+8 Up to 6Mp	8+4 Up to 6Mp	4+2 Up to 6Mp
Max IP Input/Record	96Mbps/96Mbps	48Mbps/48Mbps	48Mbps/48Mbps	96Mbps/96Mbps	48Mbps/48Mbps	24Mbps/24Mbps
Audio In/out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Max HDD	2×10TB	2×10TB	1×10TB	2×10TB	1×10TB	1×10TB
Display	HDMI(3840x2160) VGA(1920x1080), TV	HDMI(3840x2160) VGA(1920x1080)	HDMI(3840x2160) VGA(1920x1080)	HDMI(3840x2160) VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)
eSATA	--	--	--	--	--	--
USB	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	2 USB2.0	2 USB2.0
DVD Burner	USB	USB	USB	USB	USB	USB
Alarm In/Out	--	--	--	--	--	--
Ethernet	1 Gigabit port	1 Gigabit port	1 Gigabit port	1 Gigabit port	1x100M port	1x100M port
Remote User Login	128	128	128	128	128	128
Dimensions	375×287×53mm (14.8"×11.3"×2.1")	375×287×53mm (14.8"×11.3"×2.1")	325×255×55mm (12.8"×10.0"×2.2")	375×287×53mm (14.8"×11.3"×2.1")	325×255×55mm (12.8"×10.0"×2.2")	325×255×55mm (12.8"×10.0"×2.2")
Power	DC54V, ≤20W(Without HDD)	DC54V, ≤15W(Without HDD)	DC53V, ≤15W(Without HDD)	AC 100-250V, 50/60Hz, ≤15W(Without HDD)	DC53, ≤10W(Without HDD)	DC53, ≤10W(Without HDD)
Intelligent Video	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection	Tripwire, Intrusion, Abandoned/Missing, Face Detection
Star Features	PoC, POS, P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	PoC, POS, P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	PoC, POS, P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	PoC, POS, P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	PoC, POS, P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR	PoC, POS, P2P, Coaxial Audio/Alarm/ Upgrade, 2D/3DNR

Encoders

Encoders are specially designed products that convert a traditional analog video signal into a digital video signal. Encoders support various input video formats, including HDCVI, AHD, TVI, CBVS, and IP.

⊕ KEY FEATURES

Variable Inputs

Supports HDCVI/AHD/TVI/IP video inputs.

Audio Support

Supports high quality 2-way audio.

Wireless

Built-in 2.4G/5G Wi-Fi module and 4G module (optional).

Micro SD

Supports max. 128GB SD card.

Encoders

Model	NVS0104HDC	NVS0204HDC	NVS0404HDC
Appearance			
Video Compression	H.264+/H.264	H.264+/H.264	H.264+/H.264
Audio Compression	G.711/PCM	G.711/PCM	G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Record Rate	30fps@1080P 30fps@720P	60fps@1080P 60fps@720P	60fps@1080P 120fps@1080N/720P
CVBS Input	1CH, 1.0Vp-p, 75Ω	2CH, 1.0Vp-p, 75Ω	4CH, 1.0Vp-p, 75Ω
IP Camera Input	1CH up to 5MP	2CH up to 5MP	4CH up to 5MP
Max IP Input/Record	4Mbps/4Mbps	8Mbps/8Mbps	16Mbps/16Mbps
Audio out	1/1, 2-way	2/1, 2-way	4/1, 2-way
Max Micro SD	128GB	128GB	128GB
Display	1 TV	1 TV	1 TV
Alarm In/Out	4/2	4/2	4/2
Ethernet	1x100M port	1x100M port	1x100M port
RS485	1	1	1
RS232	1	1	1
Network Module(Optional)	4G/ Wi-Fi(2.4G/5G)	4G/ Wi-Fi(2.4G/5G)	4G/ Wi-Fi(2.4G/5G)
Remote User Login	128	128	128
Dimensions	136×162×30mm (5.4"×6.4"×1.2")	136×162×30mm (5.4"×6.4"×1.2")	136×162×30mm (5.4"×6.4"×1.2")
Power	DC12V/2A, ≤10W (Without HDD)	DC12V/2A, ≤10W (Without HDD)	DC12V/2A, ≤10W (Without HDD)
Intelligent Video(Optional)	Tripwire, Intrusion, Abandoned/Missing	Tripwire, Intrusion, Abandoned/Missing	Tripwire, Intrusion, Abandoned/Missing

ACCESSORIES

HFxxE, HFxxG Series		
		
Model	PFB110W	PFB121W
Mount	Wall/ceiling/plane mount	Wall mount

HFWxxR-Z, HFWxxT-Z/l8, HFWxxD, HFWxxTH, B4Axx-VF Series		
		
Model	PFA130-E	PFA130-E+PFA152-E
Mount	Junction box	Pole mount

HFWxxE, HFWxxE-Z Series		
		
Model	PFA121	PFA121+PFA152-E
Mount	Junction box	Pole mount

HFWxxS/SL, HFWxxR, HFWxxT, HFWxxTL, B1Axx, B2Axx, LCxxT, LCxxSL, MExxB/C/D Series		
		
Model	PFA134	PFA134+PFA152-E
Mount	Junction box	Pole mount

PFW3601-A180		
		
Model	PFA124-B	PFA124-B+PFA150
Mount	Junction box	Pole mount

HDBWxxE Series				
				
Model	PFA136	PFB203W	PFB203W+PFA152-E	PFA136+PFA200W
Mount	Junction box	Wall mount	Pole mount	Rain shade

ACCESSORIES

HDBWxxE-Z						
						
Model		PFA138	PFB210W	PFB210W+PFA152-E	PFA101+PFB300C	PFB201C
Mount		Junction box	Wall mount	Pole mount	Ceiling mount	In-ceiling mount

HDBWxxR, D3Axx-VF, HDBWxxR-Z Series						
						
Model		PFA137	PFB203W	PFB203W+PFA152-E	PFA106+PFB220C	PFA137+PFA200W
Mount		Junction box	Wall mount	Pole mount	Ceiling mount(extensible)	Rain shade

EW Series				
				
Model		PFB203W	PFB110W	PFB203W+PFA152-E
Mount		Wall mount	Ceiling mount	Pole mount

HDWxxT-Z, T3Axx-VF, D1Axx Series				
				
Model		PFA130-E	PFB205W	PFB205W+PFA152-E
Mount		Junction box	Wall mount	Pole mount

ACCESSORIES

HDWxxSL, HDWxxR, T1Axx, HDWxxTL Series				
				
Model	PFA12A(plastic)	PFA135	PFB205W	PFA135+PFA152-E
Mount	Junction box		Wall mount	Pole mount

EBW3802			HDWxxM, T2Axx Series			
						
Model	PFA132-E	PFA132-E+PFA152-E	Model	PFA13A-E	PFB205W	PFB205W+PFA152-E
Mount	Junction box	Pole mount	Mount	Junction box	Wall mount	Pole mount

HDBWxxF Series				HDWxxEM, HDWxxT Series			
							
Model	PFA139	PFB204W	PFB204W+PFA152-E	Model	PFA130-E	PFB204W	PFB204W+PFA152-E
Mount	Junction box	Wall mount	Pole mount	Mount	Junction box	Wall mount	Pole mount

ACCESSORIES

SD60 Series								
								
Model	PFA111+PFB303W	PFB310W	PFA111+PFB303W+PFA120	PFA111+PFB300C	PFA150	PFA151	PFA140	PFA111+PFB303S
Mount	Wall mount		Junction box	Ceiling mount	Pole mount	Corner mount	Power box	Parapet mount

SD49 Series								
								
Model	PFB305W	PFB310W	PFB305W+PFA120	PFA111+PFB300C	PFA150	PFA151	PFA140	PFA111+PFB303S
Mount	Wall mount		Junction box	Ceiling mount	Pole mount	Corner Mount	Power box	Parapet mount

SD6CE Series								
								
Model	PFB305W	PFB310W	PFB305W+PFA120	PFA111+PFB300C	PFA150	PFA151	PFA140	PFA111+PFB303S
Mount	Wall mount		Junction box	Ceiling mount	Pole mount	Corner Mount	Power box	Parapet mount

ACCESSORIES

SD59/50/40 Series								
								
Model		PFA110+PFB300S	PFA110+PFB300S+PFA120	PFA110+PFB300C	PFA150	PFA151	PFA140	PFA110+PFB303S
Mount		Wall mount	Junction box	Ceiling mount	Pole mount	Corner mount	Power box	Parapet mount

SD42 Series					
					
Model		PFA102+PFB302S	PFA102+PFB302S+PFA150	PFA102+PFB302S+PFA151	PFA102+PFB300C
Mount		Wall mount	Pole mount	Corner mount	Ceiling mount

SD22 Series					
					
Model		PFA137	PFB203W	PFB203W+PFA152-E	PFB200C
Mount		Junction box	Wall mount	Pole mount	In-ceiling mount

ACCESSORIES

Housings				
Model	PFH610V Series	PFH610A Series	PFH610E Series	PFH610N-IR-W
Appearance				
Description	Aluminum & PC N/A/Heater, cooler/Heater, cooler, IR IP67, IK10 DC12V/AC24V in 404x164x132mm(15.9"x6.45"x5.2")	Aluminum & PC N/A/Heater&cooler/Heater&cooler&IR IP67, IK10, NEMA 4X DC12V/AC24V in 404x164x132mm(15.9"x6.45"x5.2")	Aluminum & PC Heater, cooler/Heater, cooler, IR IP67, IK10, NEMA 4X AC110/220 in 404x164x132mm(15.9"x6.45"x5.2") -65°C ~+55°C	Aluminum & PC Heater, cooler, wiper, IR IP66 AC24V, 5A in 404x164x175mm(15.9"x6.45"x6.89")

Power Adapters				Lenses		
Model	AC Power			PFL2712-E6D	PFL0550-E6D	PFL2070-J12M
Appearance						
Description	AC24V, 1.5A 106×70×56.5mm (4.17"×2.76"×2.22")	AC24V, 3A 120×80×63.5mm (4.72"×3.15"×2.15")	AC24V, 5A 120×102×80mm (4.72"×4.0"×3.15")	Image size: 1/2.7" Aperture: F1.6 Focus length: 2.7-12mm Mount: CS Resolution: 6MP	Image size: 1/2.7" Aperture: F1.6 Focus length: 5-50mm Mount: CS Resolution: 6MP	Image size: 4/3" Aperture: F1.5 Focus length: 20-70mm Mount: M43 Resolution: 12MP

Testers				Pickups			
Model	PFM900-E	PFM904	PFM907	HAP100	HAP201	HAP120	HAP320-V
Appearance							
Description	For IPC, HDCVI, TVI, AHD, analog camera; TDR, analog video generator; Digital multimeter, data monitor, PoE+, DC12V/2A output	For HDCVI,TVI,AHD, analog camera; Weist strap design; OSD menu display,PTZ; Audio test and 485 control: DC12V/1A output	For Wifi, IPC, HDCVI, TVI, AHD, analog camera TDR,analog video generator Wifi test,Digital multimeter, OPM, data monitor PoE+, DC12V/2A, USB5V/2A output	Input DC12V Scope: 5-40m² Sensitivity: -40dB 63×30×22mm (2.48"×1.18"×0.87")	Input DC12V Scope: 10-150 m² Sensitivity:-38dB 79.6×79.6×21.5mm (3.13"×3.13"×0.85")	Scope: 10~70m² Sensitivity:-34±3dB Working voltage: DC 12V Dimension: Φ40mm×20mm (Φ1.57"×0.79")	Input DC12V Scope: 5-100m² Sensitivity:-24dB Φ80mm×23.5mm (Φ3.15"×0.93")

ACCESSORIES

Power Adapters

Model	PFM321D Series	PFM320D Series	PFM321D-007	PFM321 Series	PFM321D-15	PFM300
Appearance						
Description	AC90~264V input DC12V, 1A output -30°C~+70°C CE/FCC/UL/PSE/CCC	AC90~264V input DC12V, 2A output -30°C~+70°C CE/FCC/UL/CCC	AC90~264V input DC12V, 0.7A x4 output -30°C~+70°C CE/FCC/UL/RCM/CCC	AC90~264V input DC12V, 1A output -10°C~+55°C CE/FCC/UL/CCC	AC90~264V input DC12V, 1.5A output -30°C~+70°C Perfect with PFA12X series(IP66)	AC180~264V input DC12V, 2A output -30°C~+70°C Structural water-proof

Distributed Power Supplies

Switching Power Supplies

UPS

Model	PFM34x Series		PFM320S-50	PFM320S-150	PFM350-360/900	PFM351-900	PFM351R Series
Appearance							
Description	5/9 Channel AC90~264V input DC12V, 4A/5A output	9/19 Channel AC90~264V input DC12V, 10A/20A output	AC90~264V input DC12V, 50W output 99x82x30mm (3.9"x3.23"x1.18")	AC88~132V/176~264V input DC12V, 150W output 159x97x30mm (6.26"x3.82"x1.18")	Line-Interactive 600VA/360W(360) 1500VA/900W(900) 2-6ms transfer time	Smart Online 1000VA/900W 0ms transfer time	Smart Online 1000VA/900W 3000VA/2700W 0ms transfer time

Coaxial Cables

Network Cables

Model	PFM930-59N	PFM940I-59N/2	PFM920I-5EUN-C	PFM920I-6UN-C	PFM920I-5EU-U	PFM920I-6U-U
Appearance						
Description	RG59 Coaxial Cable Conductor: OFC Jacket: PVC, 6.1mm, Color: black Length: 200m(656.2ft)	RG59 Siamese Cable Conductor: OFC Jacket PVC: 6.1mm Power Conductor: 0.5mm ² Color: black Length: 200(656.2ft)	UTP CAT5E Cable Conductor: OFC (0.45mm±0.01mm),24AWG Jacket: PVC(CPR), 5.0mm±0.20mm Color: White/Orange Length: 305m(1000.7ft)	UTP CAT6 Cable Conductor: OFC (0.53mm±0.01mm),24AWG Jacket: PVC(CPR), 6.0mm±0.20mm Color: White/Orange Length: 305m(1000.7ft)	UTP CAT5E Cable Conductor: OFC (0.50mm±0.01mm),24AWG Jacket: PVC(CPR), 5.4mm±0.20mm Color: White Length: 305m(1000.7ft)	UTP CAT6 Cable Conductor: OFC (0.57mm±0.01mm) Jacket: PVC(CPR), 6.5mm±0.20mm Color: White Length: 305m(1000.7ft)

ACCESSORIES

Cabinets							
Model	PDU	DH-PFC610-xD Series	DH-PFC200D-6U4D	DH-PFC200D-9U4D	DH-PFC200D-12U4D	DH-PFC200D-18U6D	DH-PFC200D-42U8D
Appearance							
Description	8 Outlet Rackmount PDU Power Strip	19" Rackmount Tray Load bearing:40kg(88.18lb)	19" Rack Cabinet Supports wall & plane mount Depth: 450mm(17.72") Load bearing: 40kg(88.18lb)	19" Rack Cabinet Supports wall & plane mount Depth: 450mm(17.72") Load bearing: 40kg(88.18lb)	19" Rack Cabinet Supports wall & plane mount Depth: 450mm(17.72") Load bearing: 40kg(88.18lb)	19" 18U Rack Cabinet Supports wall & plane mount Depth: 600mm(23.62") Load bearing: 300kg(661.39lb)	19" 42U Rack Cabinet Supports plane mount Depth: 800mm(31.5") Load bearing: 300kg(661.39lb)

Baluns					Video Extensions
Model	PFM800-E	PFM802	PFM801-4MP	PFM809-4MP	PFM700-4K
Appearance					
Description	Passive Video Balun Transmission distance(HDCVI): 1080P/250m, 720P/400m Also support AHD, TVI, CVBS Cable type: CAT5E/6	Passive HDCVI Balun With Power Input: DC12V Output: max.DC12V 8W Transmission distance: 4MP: max.100m Cable type: CAT 5E/6 (R<10Q/100m)	Passive HDCVI Balun With Power Input: DC24-36V Output: max.DC12V 8W Transmission distance: 4MP: max.200m(656.17ft) Cable type: CAT 5E/6 (R<10Q/100m)	16Channel Passive HDCVI Balun Receiver Transmission distance: 4MP: max.200m(656.17ft) (with passive transmitter) Cable type: CAT 5E/6 (R<10Q/100m)	HDMI Extender DC24V for transmitter 4K/40m, 1080P/80m Transmit 1-CH HDMI via UTP

PoC		Isolators	
Model	PFM811-4CH	PFM790	PFM791
Appearance			
Description	POC Transceiver Input: DC12V-36V Output: max.DC12V 15.6W Transmission distance: max.400m(1312.3ft) Cable type: RG59/6	Power Isolator Effectively solves image problems caused by centralized power supply	HD Video Isolator Effectively solves image problems caused by ground loops.

DISPLAY & CONTROL

Monitors				
	LM18-L100	LM22-F211	LM28-S400	LM55-S400
Model				
Diagonal	18.5"(16:9)	21.5"(16:9)	28"(16:9)	55"(16:9)
Resolution	1366x768	1920x1080	3840x2160	3840x2160
Luminance	200cd/m ²	250cd/m ²	300cd/m ²	450cd/m ²
Contrast	600:1	1000:1	1000:1	1000:1
Viewing Angle	H 178°, V 178°	H 178°, V 178°	H 170°, V 160°	H 178°, V 178°
Response Time	5ms	14ms	5ms	6ms
Display Color	8bit	8bit	10bit	10bit
Input	1 VGA, 1 HDMI 1 BNC, 1 Audio	1 VGA, 1 HDMI 1 Audio	2 HDMI, 1 DP, 1 VGA, 1 USB, 1 BNC(CVBS), 1 Audio	1 DP, 2 HDMI, 1 VGA, 1 USB, 1 Audio, 1 RS232
Output	2 Speakers	2 Speakers	1 BNC, 2 Speakers	1 RS232, 2 Speakers
Control	Physical Button	Physical Button	RS232, Infrared Remote	RS232, Infrared Remote
Working Temperature	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)
Working Humidity	10~85%	10~85%	10%~85%	10~85%
Power	AC100~240V (+/-10%), 30W	AC110~240V, 26W	AC110~240V, 40W	AC110~240V, 120W
Border Width	17mm(U), 14.5mm(L/R), 26mm(B)	2.2mm(U/L/R), 18.1mm(B)	19.0mm(L/R), 19.1mm(U), 27.2mm(B)	8mm (U/L/R/B)
Dimensions	442.0x276.0x51.5mm (17.4"x10.9"x2.0")	489.8x293.7x42.7mm (19.3"x11.6"x1.7")	662.0x390.5x50.0mm (26.1"x15.4"x2.0")	1227.2x699.6x65.0mm (48.3"x27.5"x2.6")
Weight	2.8kg(6.2lb)	3.2kg(7.1lb)	6.65kg(14.7lb)	25.2kg(55.6lb)

Decoders	
	NVD0905DH-4I-4K
Model	
Screen Quantity	9 Screens
Splicing Control Modes	Zoom/Merge/Roam/Overlay
Split Mode	1/4/9/16
Max Decoding	9CH@12MP(25fps)/12CH@4K/ 48CH@1080 P/ 108CH@720P/144CH@D1
Local Video Input	2CH HDMI, 2CH DVI-I
Network Video Input	IPC/DVR/NVR, etc.
Video Output	HDMI(DVI with convertor)
Audio Out	HDMI
Alarm In/Out	4/4 (30VDC 1A, 125VAC 0.5A, Relay output)
Intercom	1 Pair 3.5mm Jack
Processor	Embedded processor
Case	1.5U 19"
Ethernet	2 RJ-45 port (10/100/1000M)
USB	1 USB2.0, 1 USB3.0
Power	AC100~240V, 50Hz~60Hz
Control Modes	WEB/Video Platform/ Network keyboard/iPad
Highlights	4K & H.265 & H.265+ decoding, Fisheye dewarp, PC signal collection

Keyboards	
	NKB5000
Model	
Control Modes	Direct mode, Network mode
Control Interface	2 RJ-45 port(100/1000M), Wi-Fi, RS232, RS485
DVR/NVR Protocol	DH2
Dome Protocol	DH-SD1/PELCO-D/PELCO-P, etc.
Max Users	64(Each can manage up to 30,000 channels)
Screen	10.1" TFT LCD touch screen(1280x800)
Local Split Display Mode	1/4/9/16
Video Output	4CH HDMI
Local Decoding	4CH@4K/16CH@1080P
Intercom	1 Pair(reserved)
Joystick	4-axis(zoom, focus, iris)
Main Processor	Dual-core Processor
Operating System	Embedded LINUX
USB	2 USB3.0, 2 USB2.0
Power	DC12V, 4A
Highlights	All touch screen, 4K&H.265 decoding, Controls NVR, DVR, EVS, Decoder, Matrix, Platform, Local visible control

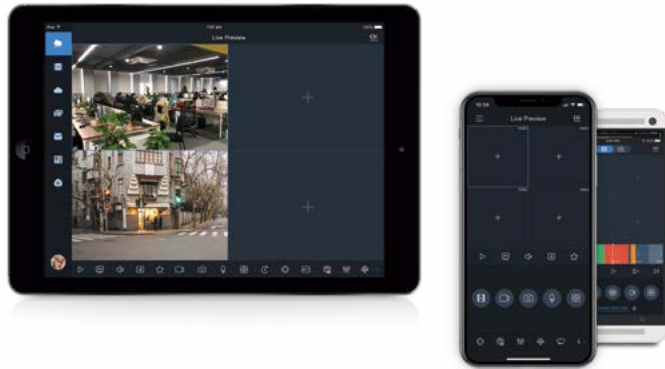
VIDEO MANAGEMENT SOFTWARE

DSS Products

	Model	DSS Express (Free) V1.00.003	DSS Express (Plus) V1.00.003	DSS Pro V7.02.003	DSS4004-S2 V1.01.000	DSS7016D(R)-S2 V1.01.001
	Appearance					
Deployment	OS	Windows	Windows	Windows	Linux	Linux
	Form	Software	Software	Software	ALL-IN-ONE	ALL-IN-ONE
	Hot standby	×	×	√	√	√
	Distribute	×	×	√	×	√
	Cascade As Superior Level	×	×	√	×	×
	Cascade As Subordinate Level	×	√	√	√	√
Performance	Camera	64	512	1000 IP, 2000 CH	512	500 IP, 1000 CH
	Face Recognition	2	32	100	32	64
	ANPR	2	32	64	32	64
	Object Detection	×	×	20	×	20
	Maximum Video Input Bandwidth Per Server	350Mbps	350Mbps	600Mbps	350Mbps	700Mbps
	Maximum Storage Bandwidth Per Server	150Mbps	150Mbps	600Mbps	150Mbps	700Mbps
Features	Onvif	√	√	√	√	√
	Auto Register	×	×	√	×	√
	P2P	√	√	×	×	×
	Microsoft Active Directory	×	×	√	×	√
	Disk Group	×	×	√	×	√
	ISCSI	×	√	√	√	√
	Records backup from device by time or wifi	×	×	√	×	√
	GIS Map	×	×	√	×	√
	Thumbnail search	×	×	√	×	√
	Access Control, Video Intercom, Attendance, Entrance, Visitor Management	√	√	√	√	√
	Perimeter Protection	√	√	√	√	√
	Thermal Alarm	√	√	√	√	√
AI	Face Recognition	√	√	√	√	√
	Flow Analysis	√	√	√	√	√
	ANPR	√	√	√	√	√
	Object Detection	×	×	√	×	√
Add on	Add-ons	×	×	√	×	×

VIDEO MANAGEMENT SOFTWARE

DMSS



Digital Mobile Surveillance System

Monitor anything using your smartphone or tablet anytime, anywhere.



Devices	Supported Devices	DVR, NVR, IPC, VTO, DoorBell, Alarm Hub
	Add Device Method	IP/domain, SN, Import from cloud, Soft AP
	Features	Remote config, Alarm config, HDD info, Share device list
Video	Compression Format	H.265/H.264/MPEG-4/JPEG
	Display Resolution	Up to 1920×1080
Live Preview	Max. Channels Can Be Opened at The Same Time	256
	Features	Snapshot, Record, Instant playback, PTZ, Stream control, Talk, Audio, Alarm, Color, Favorites, Remember channels
Playback	Video Playback Duration	72 hours
	Features	Snapshot, Record, Speed up / slow down, Frame-by-frame, Cut
Alarm Push	Alarm Type	Motion detection, Camera masking, Local alarm, Disk alarm (no disk, Low space, disk Error), Face detection, Ivs alarm, Thermal Imaging Alarm, Defocus, Audio Detect, HDD Alarm, Sensor Alarm, Network Alarm
	Push Type	Video, Preview, Image

DORI Distance (D/O/R/I)

Find the Optimal Camera for Your Individual Surveillance Needs

The DORI distance is a “general proximity” of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

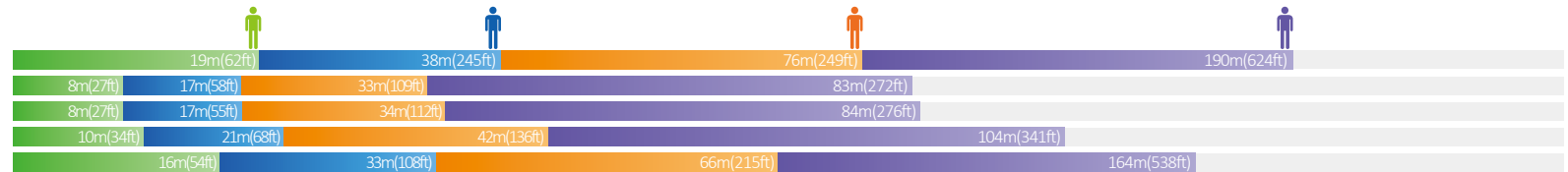
- Detect: 25ppm
- Observe: 63ppm
- Recognize: 125ppm
- Identify: 250ppm

HDCVI CAMERA

Pro Series

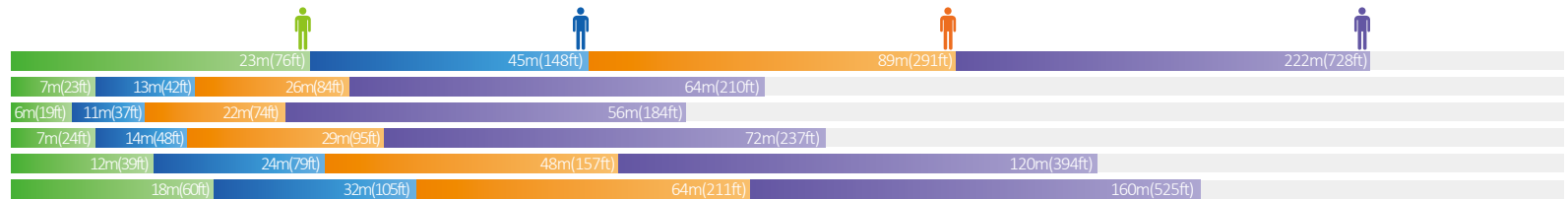
2802 Series

3.7~11mm (T)
3.7~11mm (W)
2.8mm
3.6mm
6mm



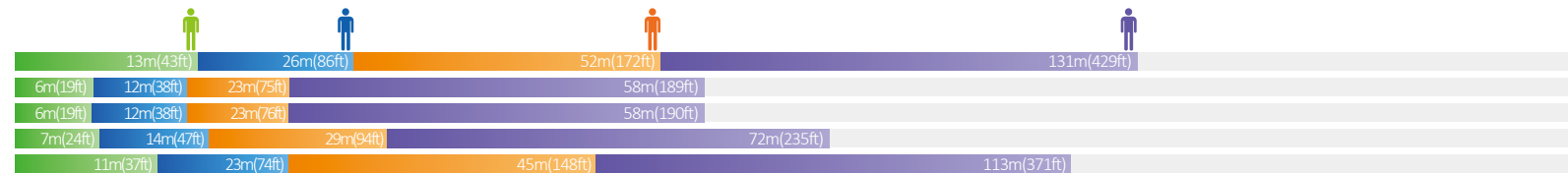
2501 Series

2.7~13.5mm (T)
2.7~13.5mm (W)
2.8mm
3.6mm
6mm
8mm



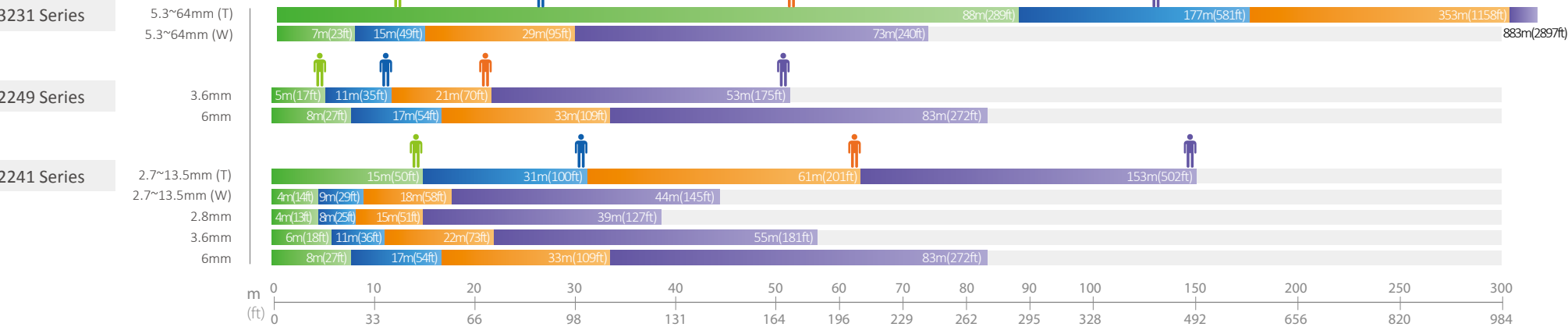
2402 Series

3.7~11mm (T)
3.7~11mm (W)
2.8mm
3.6mm
6mm

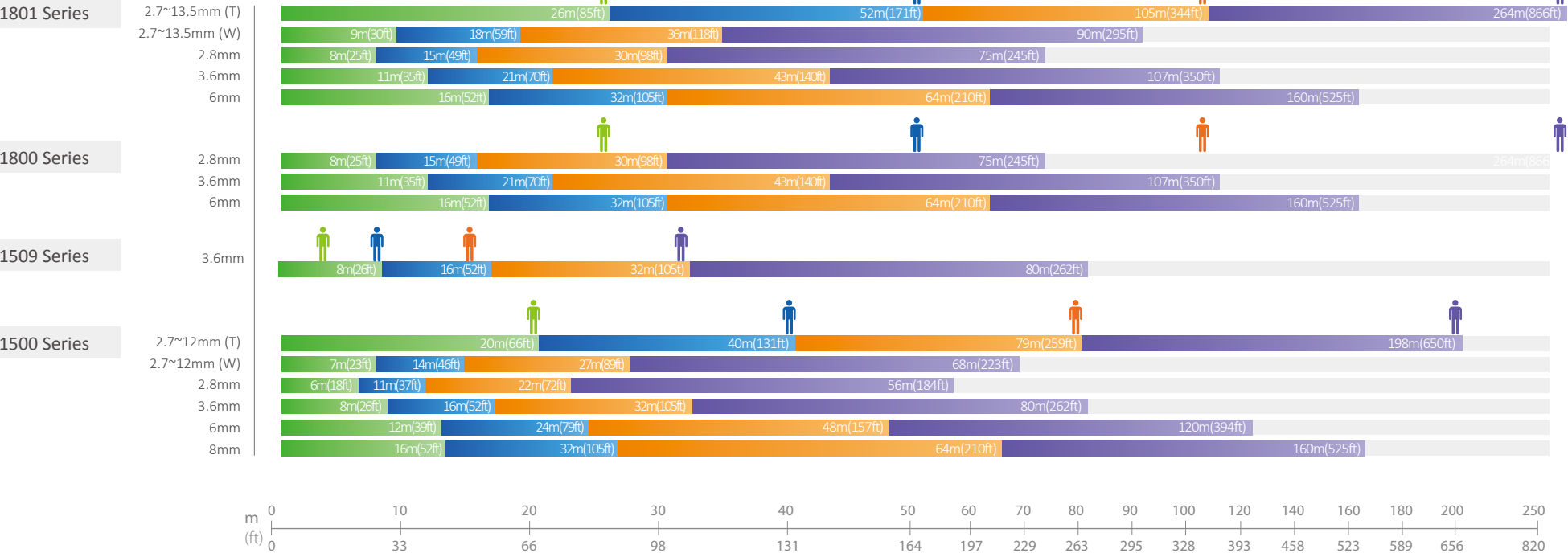


DORI Distance (D/O/R/I)

Pro Series



Lite Series



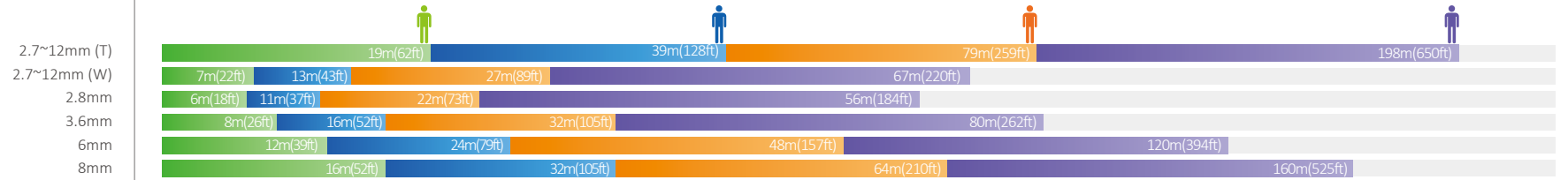
DORI Distance (D/O/R/I)

Lite Series

1409 Series



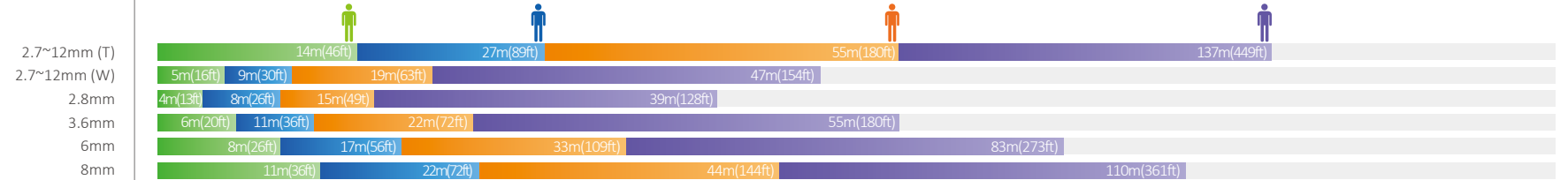
1400 Series



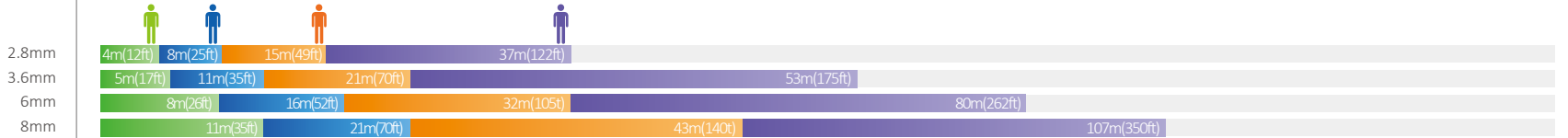
1239 Series



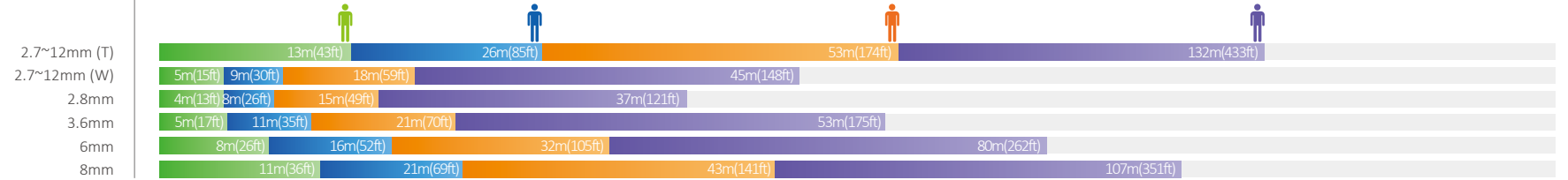
1230 Series



1220 Series

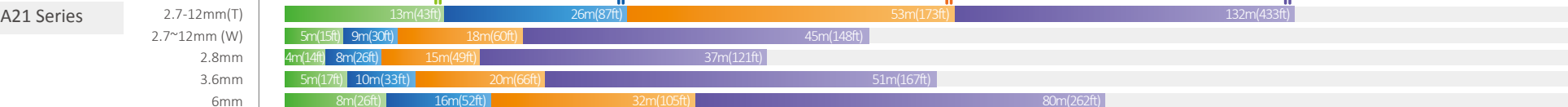
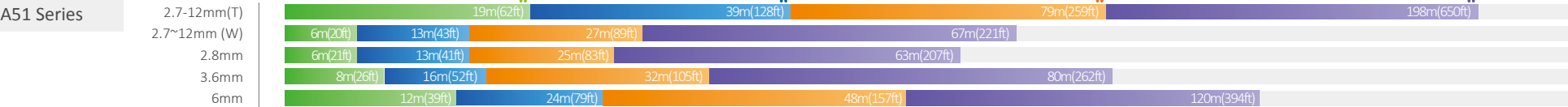


1200 Series



DORI Distance (D/O/R/I)

Cooper Series



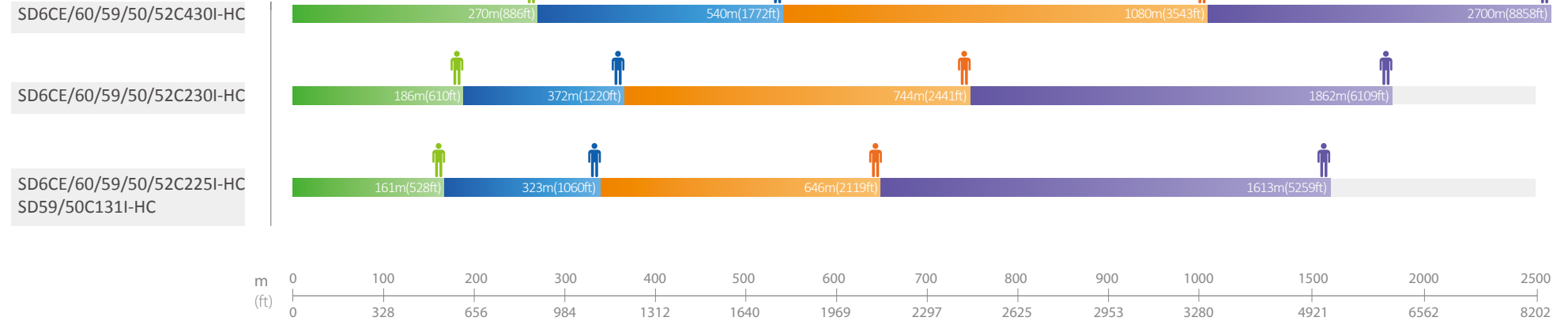
Panorama Series



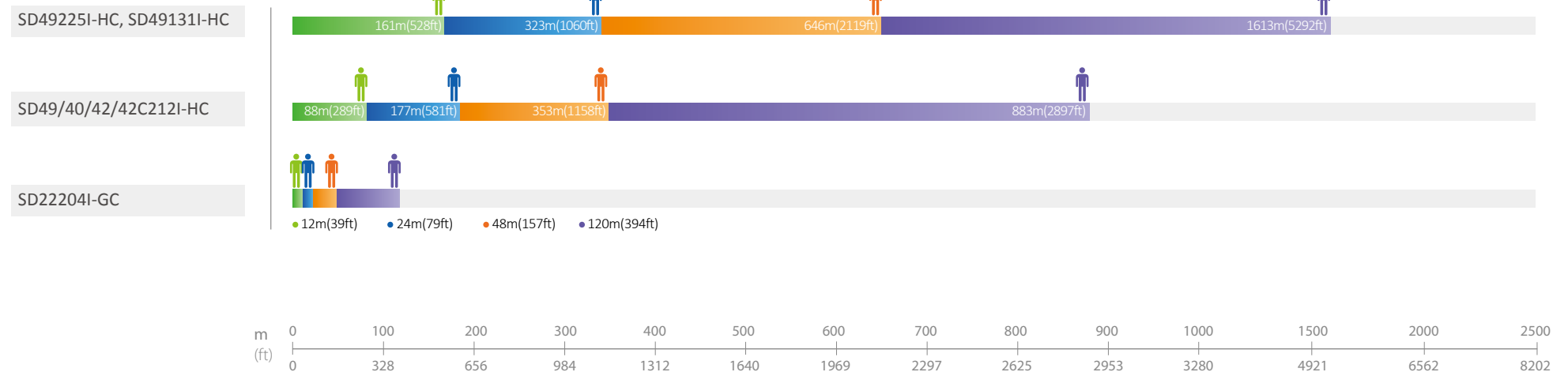
DORI Distance (D/O/R/I)

HDCVI PTZ CAMERA

Pro Series



Lite Series



ENABLING A SAFER SOCIETY AND SMARTER LIVING

Dahua USA

Tel: +1 (949) 679-7777
Email: sales.usa@dahuatech.com
support.usa@dahuatech.com

Dahua Mexico

Tel: +52 55 67231936
Email: sales.mx@dahuatech.com
support.mx@dahuatech.com

Dahua Colombia

Tel: +571 7446110
Email: sales.co@dahuatech.com
support.co@dahuatech.com

Dahua Brazil

Tel: +55 11 32511871
Vendas: comercial.br@dahuatech.com
Suporte Técnico: suporte.br@dahuatech.com

Dahua Perú

Tel: +511 500-8555
Email: sales.pe@dahuatech.com
support.pe@dahuatech.com

Dahua Chile

Tel: +56 232705421
Email: sales.cl@dahuatech.com
support.chile@dahuatech.com

Dahua Argentina

Email: project.ar@dahuatech.com

Dahua Panama

Email: sales.pa@dahuatech.com
Support: support.pa@dahuatech.com

Dahua Thailand

Tel: +66 2541 5188
Email: info.th@dahuatech.com
hr.th@dahuatech.com

Dahua Singapore

Tel: +65 65380952
Email: sales.sg@dahuatech.com

Dahua Turkey

Email: sales.tr@dahuatech.com
support.tr@dahuatech.com

Dahua Malaysia

Tel: +603 76620731
Email: sales.my@dahuatech.com

Dahua Indonesia

Tel: +62 811 867 7728
Email: sales.indo@dahuatech.com

Dahua S.Korea

Tel: +82 7081618889
Email: sales.kr@dahuatech.com
support.kr@dahuatech.com

Dahua India

Tel: +91 1244569100
Email: sales.india@dahuatech.com

Dahua Russia

Tel: 8 (499) 682-60-00
Email: info@dahuatech.com

Dahua Kazakhstan

Tel: +7 727 3110838
Email: sales.kz@dahuatech.com

Dahua VISION LLC

Tel: +998 (78) 1488666
E-mail: dh_uzbekistan@dahuatech.com

Dahua UK

Tel: +44(0)1628 613 500
Email: sales.uk@dahuatech.com

Dahua the Netherlands

Tel: +31 (0) 79 799 96 96
Email: sales.benelux@dahuatech.com

Dahua Iberia

Tel: +34 917649862
Email: sales.iberia@dahuatech.com

Dahua Italy

Tel: +39 362182681
Email: sales.italy@dahuatech.com

Dahua Germany

Tel: +49 211 20544121
Email: sales.de@dahuatech.com

Dahua France

+33 1 48 53 70 53
Email: sales.france@dahuatech.com

Dahua CEE & Nordic

Tel: +48 223957400
Email: dh.cen@dahuatech.com

Dahua Poland

Tel: +48 223957400
Email: biuro.pl@dahuatech.com

Dahua SRB

+38 1 (11) 4429999
Email: dh.srb@dahuatech.com

Dahua Denmark

Email: Nordic.ne@dahuatech.com

Dahua Hungary

Tel: +36 17899852
Email: sales.hu@dahuatech.com

Dahua Bulgaria

Tel: +35929950013
Email: support.bg@dahuatech.com

Dahua SRL

Email: marketing.ro@dahuatech.com

Dahua Czech

Tel: +420 225 986 001
Email: admin.cz@dahuatech.com

Dahua S. Africa

Email: sales.za@dahuatech.com

Dahua Australia

Tel: +61 299285200
Email: sales.oc@dahuatech.com

Dahua Middle East

Tel: +971 48815300
Email: sales.me@dahuatech.com
info.me@dahuatech.com

* Design and specifications are subject to change without notice.

Ver. 1, Jan. 2020

DAHUA TECHNOLOGY

No.1199 Bin'an Road, Binjiang District, Hangzhou, China. 310053

Tel: +86-571-87688883 Fax: +86-571-87688815

Email: overseas@dahuatech.com

www.dahuasecurity.com

