

HDCVI PRODUCT SELECTION

2019 Ver. 2

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



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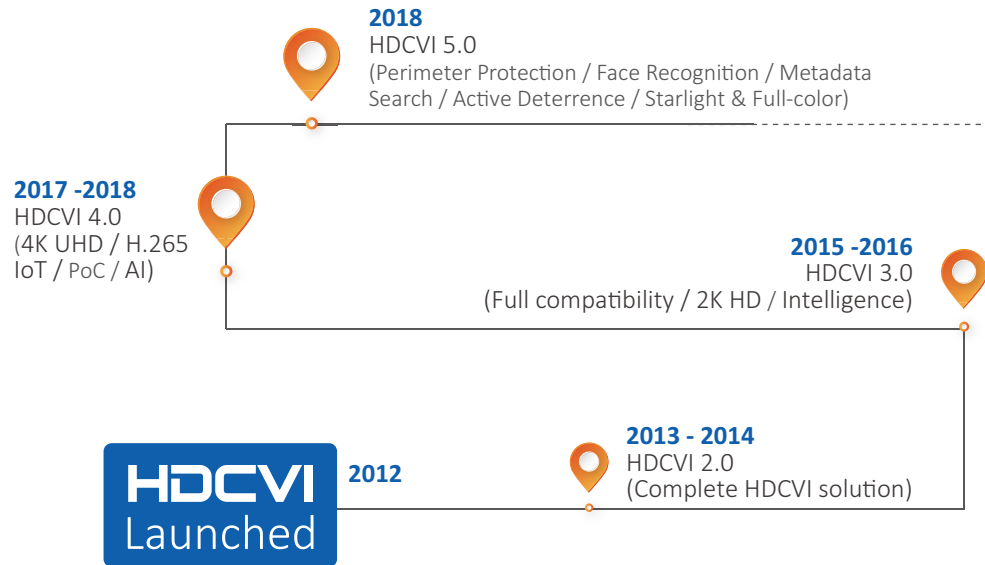
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ACCESSORIES / DISPLAY & CONTROL /
VIDEO MANAGEMENT SOFTWARE /
DORI DISTANCE(D/O/R/I)



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 will keep on providing more opportunities to customers as well as 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. Here are the main benefits of HDCVI: ”



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



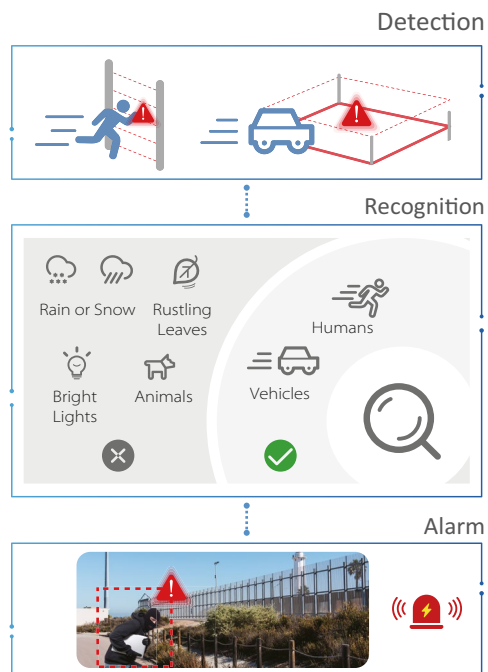
Seamless Upgrade

Compatible with existing coaxial cable, protecting your investment.
Penta-brid (HDCVI/AHD/TVI/CVBS/IP)
Seamless upgrade from traditional analog systems;

HDCVI-AI

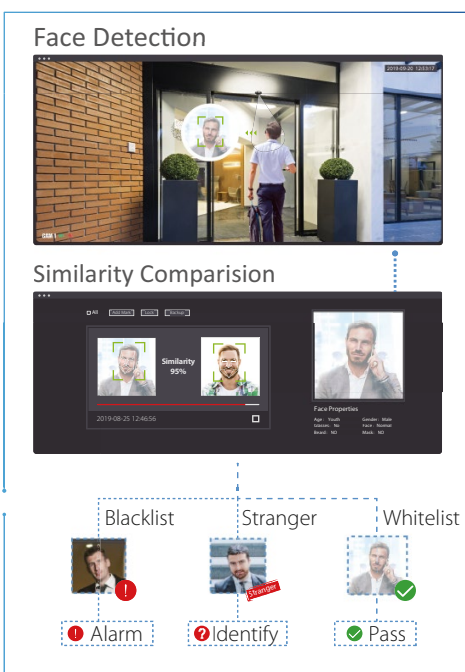
AI series products adopt the most advanced AI technologies, including deep learning algorithm that primarily targets people and vehicles, which provides higher flexibility and accuracy for end-users. Beyond seeing the world, the power of AI allows devices to perceive the environment and understand the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

Perimeter Protection



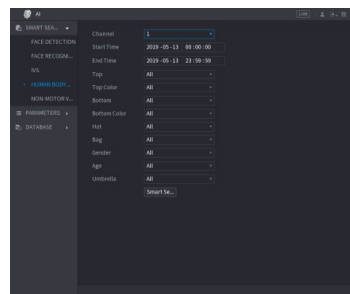
- Perimeter protection based on configurable motion detect, tripwire and intrusion rules. Send alarm to users when unwanted movements occur.
- Reduces false alarms with intelligent analysis, allowing users to focus on real threats like human and vehicle.
- Filters out less important objects including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

Face Recognition



- Sets blacklists to seek out suspects among huge crowd and send alarms simultaneously.
- Sets whitelist to allow authorized persons to pass, replacing manual check at entrance control.
- Distinguishes strangers and sounds alarm when unexpected persons entering the restricted area.
- Supports up to 24 pic/s face recognition and 20 database with up to 100,000 face images, fully guarantees recognition accuracy and process efficiency.

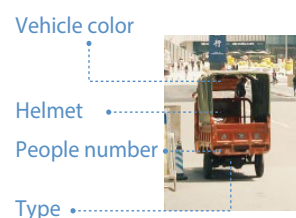
Metadata Search



Vehicle



Human Face



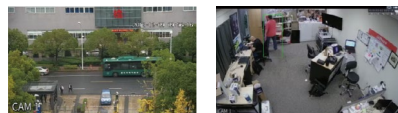
Non-motor Vehicle



Human Body

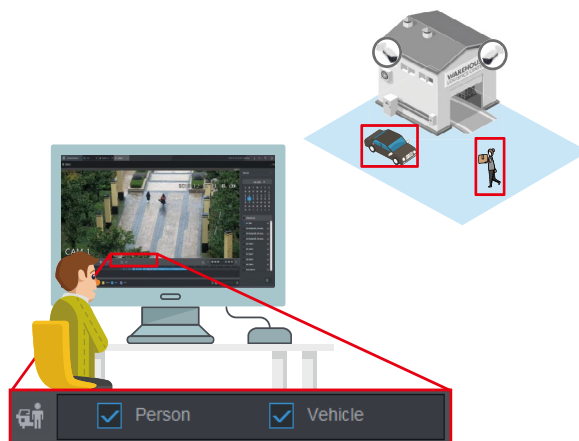
- Target object modeling with human face, human body, vehicle and non-motor vehicle attributes.
- Target search with attributes, enhancing search accuracy and efficiency.
- Provides metadata to platforms, allowing potential business applications realized by third-party.

SMD Plus



	SMD	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 providing 10times computing power to upgrade full channel SMD Plus function with up to 95% accuracy.
- Send alarm only when person and vehicle intrude and filter out false alarms caused by light & leaves, applicable to both indoor and outdoor scenarios.
- Person & Vehicle optional for playback to achieve quick target search, saving event retrieval time.

4K Ultra High Definition

4K features 4 times the resolution of 1080P. Therefore, 4K products present images with impressive clarity and abundant details. As the first technology to release 4K-over-coax, HDCVI again leads the industry with a new and complete 4K product series which better fits the needs of various application and projects with different scales and budgets, enabling 4K to prevail in the market.

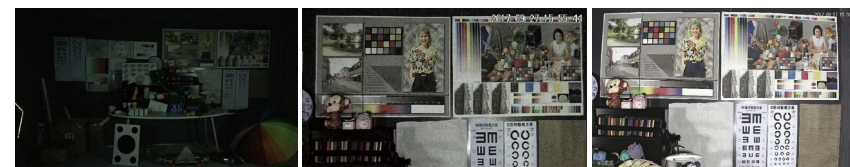


Provides crystal-clear details even during digital zoom with 4x pixels more than 2MP video surveillance.

Starlight+

Performance under low illumination is a common challenge faced by the surveillance industry. The HDCVI 4K series adopts an up to 4/3" large sensor and advanced image processing technology to ensure high performance even under ultra-low light conditions.

- Large aperture combined with big pixel size (4.63μm) ensures Starlight+ performance.
- Excellent full color image quality even under low illumination.



Non-Starlight

Starlight

Starlight+

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.



Advanced Bit Rate Control

Scene adaptive encoding strategy

Video Encoding Based on Video Content Analytics

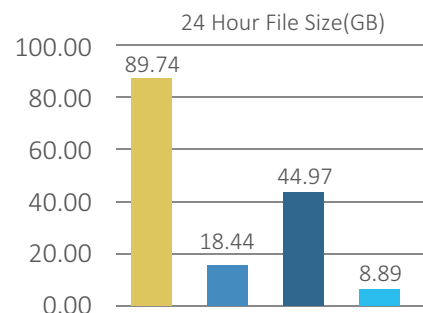
Dynamic ROI & dynamic GOP
Flexible reference frame structure

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!

- H.264+
- H.264
- H.265+
- H.265

Testing environment

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

Panorama

The new HDCVI 4K series offers panoramic cameras to be used over existing coaxial cable infrastructure for the first time ever, enabling a cost-effective solution for large area surveillance with a simple upgrade from legacy 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.



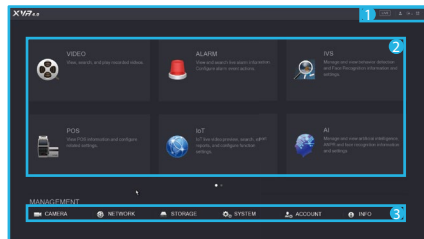
Original Fisheye Image

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 present 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

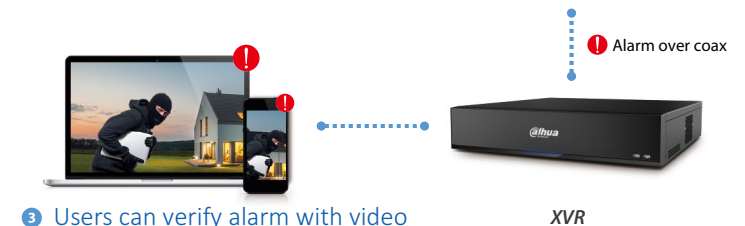
Active Deterrence

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

1 PIR camera detects intrusion



2 Actively warns off intruders



3 Users can verify alarm with video

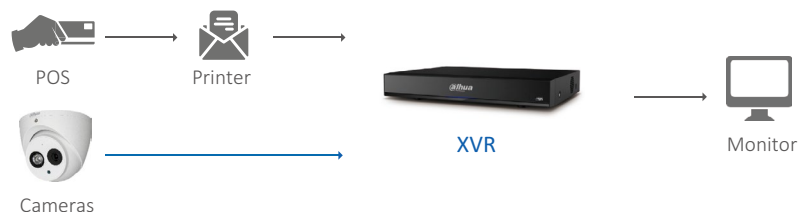
XVR

POS 2.0

The H.265 XVR series integrates POS (Point of Sale) functionality with video to record business information, identify problems, and provide evidence for disputes for retail applications. 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.



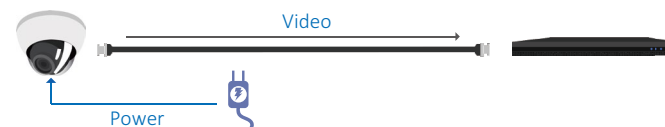
POS Integration at XVR



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.

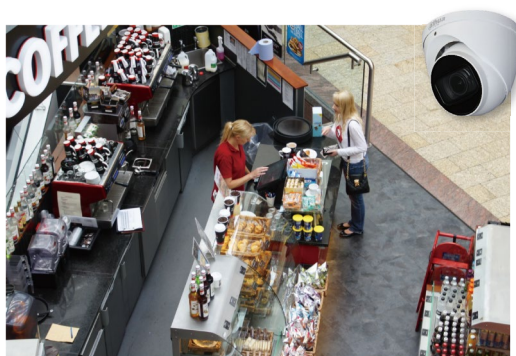
Conventional System:



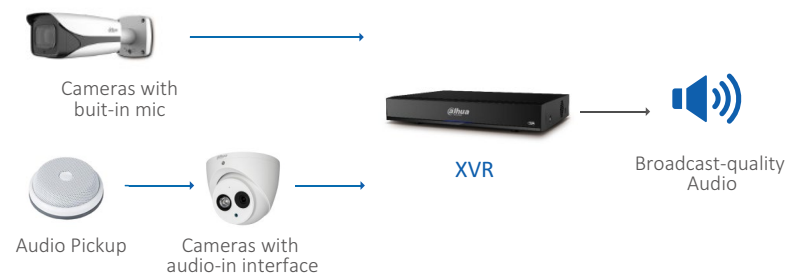
PoC System:



Broadcast-quality Audio



Audio info supplies supplementary evidence to video surveillance, and can be used to settle disputes. In applications where conflicts occur, such as checkout counters, loud and clear audio can be useful to uncover reasons for the event. 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 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 a high quality image 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 presents more details.

Wide Selection

10+ fixed / motorized lens models available to fit any scenario.

Audio

In-house ISP "Fighter" delivers superior high quality audio to collect supplementary evidence.

Pro Series

	4K Full-color	4K Starlight			
Model	HAC-HF3805G	HAC-HFW2802T-Z-A(-DP)	HAC-HDBW2802R-Z(-DP)	HAC-HDW2802T-Z-A(-DP)	HAC-HFW2802T-I8-A
Appearance	 Full-color	 Starlight	 Starlight	 Starlight	 Starlight
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

Pro Series

	4K Starlight			6MP		
Model	HAC-HFW2802E-A	HAC-HDBW2802R	HAC-HDW2802T-A	HAC-HFW2601T-Z-A(-DP)	HAC-HDBW2601R-Z(-DP)	HAC-HDW2601T-Z-A(-DP)
Appearance	 Starlight	 Starlight	 Starlight			
Image Sensor	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/1.8" 8MP CMOS	1/2.9" 6MP CMOS	1/2.9" 6MP CMOS	1/2.9" 6MP 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)	0.01Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.01Lux/F1.6(Color) 0Lux/F1.6(IR on)	0.01Lux/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
FOV-H	87°(110.8°/55°)	87°(110.8°)	87°(110.8°/55°)	95.1°~25.7°	95.1°~25.7°	95.1°~25.7°
Day/Night	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
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	15fps@4K, 20fps@6MP 30fps@4MP	15fps@4K, 20fps@6MP 30fps@4MP	15fps@4K, 20fps@6MP 30fps@4MP	20fps@6MP, 30fps@4MP	20fps@6MP, 30fps@4MP	20fps@6MP, 30fps@4MP
Video Output	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
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°
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	DC12V±30% Max. 6.8W	DC12V±30% Max. 7W	DC12V±30% Max. 8W	DC12V±30%, Max. 12W DC 12V±30%/AC24V±30% Max. 15W(-DP) Output: DC12V, Max. 2W(-DP)	DC12V±30%, Max. 6.8W DC 12V±30%/AC24V±30% Max. 8.4W(-DP) Output: DC12V, Max. 2W(-DP)	DC12V±30%, Max. 9W DC 12V±30%/AC24V±30% Max. 11.5W(-DP) Output: DC12V, Max. 2W(-DP)

HDCVI CAMERAS

Pro Series

	6MP		5MP Starlight				
Model	HAC-HFW2601E-A	HAC-HDW2601T-A	HAC-HFW2501T-Z-A(-DP)	HAC-HDBW2501R-Z(-DP)	HAC-HDW2501T-Z-A(-DP)	HAC-HFW2501T-I8-A	HAC-HFW2501E-A
Appearance			 Starlight	 Starlight	 Starlight	 Starlight	 Starlight
Image Sensor	1/2.9" 6MP CMOS	1/2.9" 6MP 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	1/2.8" 5MP STARVIS™ CMOS
Min. Illumination	0.01Lux/F1.9(Color) 0Lux/F1.9(IR on)	0.01Lux/F1.9(Color) 0Lux/F1.9(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)	0.005Lux/F1.6(Color) 0Lux/F1.6(IR on)
Lens	3.6mm (2.8mm, 6mm 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)	3.6mm (2.8mm, 6mm Optional)
FOV-H	70°(96°/47.3°)	70°(96°/47.3°)	102°~29°	102°~29°	102°~29°	79°(49.5°/38°)	79°(98°/49.5°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	40m (131ft), Smart IR	50m (164ft), Smart IR	80m (262ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	80m (262ft), Smart IR	40m (131ft), 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@6MP, 30fps@4MP	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	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	1ch in & Built-in Mic	1ch in & Built-in Mic	1	1ch in & Built-in Mic	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°~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°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	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)	-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. 6.8W	DC12V±30% Max. 7.5W	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	DC12V±30% Max. 7W

HDCVI CAMERAS

Pro Series

	5MP Starlight				4MP Starlight+	
Model	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
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	1/1.8" 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)	0.002Lux/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 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°)	79°(98°/49.5°)	79°(98°/49.5°)	114.3°~47.2°	114.3°~47.2°
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	80m (262ft), Smart IR	30m (98ft), 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	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	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°~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, 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)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)
Power	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	 Full-color	 Full-color	 Full-color	 Full-color	 Full-color	 Full-color	 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	0.001Lux/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

HDCVI CAMERAS

Lite Series

Lite Series

The Lite Series is suitable for users who want high quality at a moderate 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 moderate price.

Audio over Coax

Built-in mic collects supplementary audio evidence.

4K					
Model	HAC-HFW1801R-Z-IRE6(-A)	HAC-HDBW1801R-Z	HAC-HDW1801T-Z(-A)	HAC-HFW1801D	HAC-HFW1801TL-A
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
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)	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)	3.6mm (2.8mm, 6mm Optional)
FOV-H	105°~33°	105°~33°	105°~33°	87°(54.7°)	87°(105°/54.7°)
Day/Night	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	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
WDR	120dB	120dB	120dB	120dB	120dB
Noise Reduction	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
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
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°	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	DC12V±30% Max. 11W	DC12V±30% Max. 6.9W	DC12V±30% Max. 7.8W	DC12V±30% Max. 6.5W	DC12V±30% Max. 6.6W

HDCVI CAMERAS

Lite Series

4K

Model	HAC-HFW1801TL	HAC-HFW1801S	HAC-HFW1801T(-A)	HAC-HDBW1801E	HAC-HDW1801EM(-A)	HAC-HDW1801M	HAC-HDW1801TL(-A)
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 (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (6mm Optional)	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)
FOV-H	87°(105°/54.7°)	87°(105°/54.7°)	87°(105°/54.7°)	87°(105°)	87°(54.7°)	87°(105°)	87°(105°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	80m (262ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	30m (98ft), Smart IR	50m (164ft), 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(-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°~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°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° 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)	-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. 6.6W	DC12V±30% Max. 6W	DC12V±30% Max. 5.2W	DC12V±30% Max. 4.8W	DC12V±30% Max. 4.5W	DC12V±30% Max. 4.9W	DC12V±30% Max. 5.2W

HDCVI CAMERAS

Lite Series

5MP

Model	HAC-HFW1500R-Z-IRE6-A	HAC-HDBW1500R-Z	HAC-HDW1500T-Z-A	HAC-HFW1500D	HAC-HFW1500TL-A	HAC-HFW1500TL	HAC-HFW1500S
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/F1.8 (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)	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 (6mm, 8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)
FOV-H	96°~30°	96°~30°	96°~30°	77.5°(49°/37°)	77.5°(98°/49°)	77.5°(98°/49°)	77.5°(98°/49°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	60m (197ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	80m (262ft), 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	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	-	Built-in Mic	-	-
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°	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, IK10	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~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 12.1W	DC12V±30% Max. 7.9W	DC12V±30% Max. 8.2W	DC12V±30% Max. 4.6W	DC12V±30% Max. 4.6W	DC 12V±30% Max. 3.3W	DC 12V±30% Max. 4.6W

Lite Series

5MP

Model	HAC-HFW1500SL	HAC-HFW1500T(-A)	HAC-HDBW1500E	HAC-HDW1500EM(-A)	HAC-HDW1500M	HAC-HDW1500TL(-A)	HAC-HDW1500SL
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 (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	77.5°(98°/49°)	77.5°(93°/49°)	77.5°(98°)	77.5°(98°/49°)	77.5°(98°/49°)	77.5°(93°)	77.5°(93°/49°)
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	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(-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°~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	DC 12V±30% Max. 4.6W	DC 12V±30% Max. 3.7W	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

HDCVI CAMERAS

Lite Series

4MP

Model	HAC-HFW1400R-Z-IRE6	HAC-HDBW1400R-Z	HAC-HDW1400T-Z-A	HAC-HFW1400D	HAC-HFW1400TL-A	HAC-HFW1400TL	HAC-HFW1400S	HAC-HFW1400SL
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	1/2.7" 4MP CMOS
Min. Illumination	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)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)	0.03Lux/F2.0 (Color) 0Lux/F2.0 (IR On)
Lens	2.7-12mm, Motorized	2.7-12mm, Motorized	2.7-12mm, Motorized	3.6mm (6mm, 8mm, 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)
FOV-H	92°~29°	92°~29°	92°~29°	76.4°(48.6°/37°)	76.4°(97°/48.6°/37°)	76.4°(97°/48.6°)	76.4°(97°/48.6°)	76.4°(97°/48.6°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	60m (197ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	80m (262ft), 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	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	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	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	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°~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°	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, IK10	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~+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. 11.5W	DC12V±30% Max. 7W	DC12V±30% Max. 8W	DC12V±30% Max. 5.5W	DC12V±30% Max. 5.6W	DC12V±30% Max. 3.3W	DC 12V±30% Max. 4.9W	DC 12V±30% Max. 4.9W

HDCVI CAMERAS

Lite Series

4MP

Model	HAC-HFW1400T(-A)	HAC-HFW1400R	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	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)	0.03Lux/F2.0 (Color) 0Lux/F2.0(IR On)
Lens	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)	3.6mm (2.8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm Optional)
FOV-H	76.4°(97°/48.6°)	76.4°(97°)	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	ICR	ICR
Max. IR Distance	30m (98ft), Smart IR	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	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	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	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	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°~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°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	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)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC 12V±30% Max. 4W	DC 12V±30% Max. 3.7W	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 Starlight

Model	HAC-HFW1230R-Z-IRE6	HAC-HDBW1230R-Z	HAC-HDW1230T-Z(-A)	HAC-HFW1230D	HAC-HFW1230TL-A	HAC-HFW1230TL	HAC-HFW1230S
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/F1.8 (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)	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	2.7-12mm, Motorized	2.7-12mm, Motorized	2.7-12mm, Motorized	3.6mm (6mm, 8mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)
FOV-H	101.7°~32.3°	101.7°~32.3°	101.7°~32.3°	86.9°(52.9°/40.5°)	86.9°(106°/52.9°)	86.9°(106°/52.9°)	86.9°(106°/52.9°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	60m (197ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	80m (262ft), 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	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	-	-
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°~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°
Ingress Protection	IP67	IP67, IK10	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~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)
Power	DC12V±30% Max. 12.1W	DC12V±30% Max. 6.7W	DC12V±30% Max. 8.2W	DC12V±30% Max. 5.6W	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	HAC-HFW1220TL	HAC-HFW1220T	HAC-HFW1220R	HAC-HDW1220EM	HAC-HDW1220M	HAC-HDW1220SL
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 (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)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)
FOV-H	87° (103°, 54.7°)	87° (103°, 54.7°)	87° (103°, 54.7°)	87° (103°)	87° (103°, 54.7°)	87° (103°, 54.7°)	87° (103°, 54.7°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	80m (262feet), Smart IR	40m (131ft), Smart IR	30m (98ft), Smart IR	20m (66ft), Smart IR	50m (164ft), 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	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°~78° 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	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. 5.3W	DC12V±30% Max. 3W	DC12V±30% Max. 3.7W	DC12V±30% Max. 3.5W	DC12V±30% Max. 3.7W	DC12V±30% Max. 3.5W	DC12V±30% Max. 3.5W

HDCVI CAMERAS

Lite Series

1080P

Model	HAC-HFW1200R-Z-IRE6	HAC-HDBW1200R-Z	HAC-HDW1200T-Z(-A)	HAC-HFW1200D	HAC-HFW1200TH-A	HAC-HFW1200TH	HAC-HFW1200TL-A	HAC-HFW1200TL
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	0.02Lux/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/F1.8 (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)	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 (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	105.9°~33.4°	105.9°~33.4°	105.9°~33.4°	87.5°(54.7°/41°)	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	ICR
Max. IR Distance	60m (197ft), Smart IR	30m (98ft), Smart IR	60m (197ft), Smart IR	80m (262ft), Smart IR	80m (262ft), Smart IR	40m (131ft), Smart IR	80m (262ft), Smart IR	40m (131ft), 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	-	-	Built-in Mic(-A)	-	Built-in Mic	-	Built-in Mic	-
Alarm In/Outi	-	-	-	-	-	-	-	-
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°~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°
Ingress Protection	IP67	IP67, IK10	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~+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. 12.1W	DC12V±30% Max. 6.3W	DC12V±30% Max. 8.2W	DC12V±30% Max. 5.4W	DC12V±30% Max. 5.3W	DC12V±30% Max. 3.0W	DC12V±30% Max. 5.3W	DC12V±30% Max. 3W

HDCVI CAMERAS

Lite Series

1080P

Model	HAC-HFW1200S	HAC-HFW1200T(-A)	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	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)	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 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°/54.7°)	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	ICR	ICR
Max. IR Distance	30m (98ft), Smart IR	30m (98ft), Smart IR	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	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D	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	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	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°~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°~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, 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)	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+55°C (-40°F ~ +131°F)
Power	DC12V±30% Max. 4.3W	DC12V±30% Max. 3.6W	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 image performance, and saves budget for customers on both device and labor. Also, Cooper is well guaranteed by Dahua quality standard.

⊕ KEY FEATURES

Reliable Monitoring

Bright and clear image with rich details day and night.

Simplicity

Real plug & play, easy to install, time and labor saving.

Dahua Quality

Fully in line with Dahua's quality assurance standard.

Cost-Effective

Competitive price for SMB applications.

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	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
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

HDCVI CAMERAS

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 (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	30m(98ft), 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

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	30m(98ft), 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 (6mm Optional)	3.6mm (6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)	3.6mm (2.8mm, 6mm Optional)
FOV-H	106°~33°	106°~33°	106°~33°	93°(54.7°)	93°(54.7°)	93°(103°/54.7°)	93°(103°/54.7°)	93°(103°/54.7°)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	30m(98ft), Smart IR	30m(98ft), Smart IR	30m(98ft), 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, sensing info and alarms to verify potential risks. And the new active deterrence camera with embedded white light and siren can prevent accident to secure the personnel and property safety.

⊕ 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 & humidity information from sensors overlaid on 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 Transceiver; 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

HDCVI CAMERAS

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)	2.8mm	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°)	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

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 Airflyr 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 provides fisheye camera and multi-lens camera for different scenarios. It can cover an extremely wide angle with only one camera, which will greatly simplify system installation and maintenance.

⊕ KEY FEATURES

Multi-sensor Camera

Consists 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.

HDCVI CAMERAS

Panorama Series

	Multi-sensor	Fisheye		Dual-lens
Model	HAC-PFW3601-A180	HAC-EBW3802	HAC-EW2501	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 camera allows powering the camera 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 decreasing material and installation cost and simplify the system.

⊕ KEY FEATURES

Operation Safety

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.

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	60m (197ft), 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. 11.5W	POC/DC12V±30% Max. 7W	POC/DC12V±30% Max. 8W	POC/DC12V±30% Max. 4.9W	POC/DC12V±30% Max. 4W	POC/DC12V±30% Max. 4.2W

PoC Series

1080P

Model	HAC-HFW2241T-Z-POC	HAC-HDBW2241R-Z-POC	HAC-HDW2241T-Z-POC	HAC-HFW1230RP-Z-IRE6-POC	HAC-HDBW1230R-Z-POC	HAC-HDW1230TP-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 the scenarios that require small size cameras. Its compact design looks friendly to the environment and avoids bringing annoyance.

⊕ KEY FEATURES

Micro Size Design

Impressive micro size housing has minimum impact to the environment.

Large View Angle

Collect 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.

Micro-size Series

	Pinhole	Micro-size				
Model	HAC-HUM3201B	HAC-HDW1220G	HAC-HDW1200L	HAC-HUM1220G	HAC-HUM1220G-B	HAC-HUM1220G-B-P
Appearance	 Starlight					
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	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	0.005Lux/F2.4 (Color) 0.0005Lux/F2.4 (B/W)	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 Optional)	3.6mm (6mm Optional)	2.1mm	3.6mm (2.8mm Optional)	3.6mm (2.8mm Optional)	2.8mm
FOV-H	92°(103°)	82.8°(51°)	139°	92°(109.4°)	92°(109.4°)	100.5°
Day/Night	Electronic	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	Multi-language
WDR	120dB	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D/3D	2D	2D	2D	2D	2D
Frame Rate	30fps@1080P 30fps@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	Built-in Mic	-	-	-
Alarm In/Out	-	-	-	-	-	-
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~180° Rotation: NA	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)	-40°C~+60°C (-40°F~+140°F)
Power	DC12V±25% Max. 1.2W	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)	SD49116I-HC(-S3)	SD40116I-HC(-S3)	SD42116I-HC(-S3)
Appearance	 starlight	 starlight		 starlight	 starlight	 starlight	 starlight
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/2.8" 2MP STARVIS™ CMOS	1/2.7" 2MP CMOS	1/2.8" STARVIS™ CMOS	1/2.8" 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)	0.05Lux/F1.6 (Color) 0.005Lux/F1.6 (B/W)	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)
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)	5.3~84.8mm (16x Optical zoom)	5.3~84.8mm (16x Optical zoom)	5.3~84.8mm (16x Optical zoom)
FOV-H	58.2° ~ 4.8°	58.2° ~ 4.8°	112.5° ~ 39°	58.3° ~ 1.9°	57.2° ~ 3.75°	57.2° ~ 3.75°	57.2° ~ 3.75°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Max. IR Distance	-	-	-	100m(328ft)	100m(328ft)	-	-
OSD Menu	Supported	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	120dB True WDR
Noise Reduction	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	30/60fps@720P	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	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°	Pan: 0° ~ 360° endless Tilt: -15° ~ 90°	Pan: 0° ~ 360° endless Tilt: -2° ~ 90°	Pan: 0° ~ 360° endless Tilt: -2° ~ 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	Pan: 240°/s Tilt: 200°/s	Pan: 300°/s Tilt: 200°/s	Pan: 300°/s Tilt: 200°/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	IP66, IK10	IK10	IP66, IK10	IP66	IP66	IP66, IK10	IP66, IK10
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)	-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. 10W	AC24V Max. 10W	DC12V Max. 10W	DC12V Max. 20W	DC12V Max. 20W	AC24V Max. 19W	AC24V Max. 10W

HDCVI RECORDERS



HDCVI RECORDERS

AI Series

The AI series adopts powerful multi-core CPU and deep learning algorithm to provide the most advanced technologies to users. 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 and 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)	HDMI1(3840x2160) HDMI2/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	2×10TB	2×10TB	1×10TB	1×10TB	1×10TB	1×10TB	1×10TB	1×6TB
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	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")	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	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	-	-	-	-	-	-	-	-
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 again leads the industry with a new and complete 4K product series which better fits the needs of various application and projects with different scales and budgets.

The adoption of Smart H.265+/H.265 improves encoding efficiency, saving on bandwidth/storage costs, and significantly reducing 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 high cost performance and quality. The range offers a great solution for users facing budget constraints who both require quality and performance.

The adoption of Smart H.265+/H.265 improves encoding efficiency, saving on bandwidth/storage costs, and significantly reducing 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 a range of applications. Designed as a full compatibility product, XVR is able to provide end user the simplicity of analog system, namely 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 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

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.

HDCVI RECORDERS

PoC Series			
	2 HDD		1 HDD
Model	XVR5216AN-4KL-X-16P	XVR5208AN-4KL-X-8P	XVR5108H-4KL-X-8P
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 Standard	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
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
CVBS Input	16CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω	8CH,1.0Vp-p,75Ω
IP Camera Input	16+8 Up to 8Mp	8+4 Up to 8Mp	8+4 Up to 8Mp
Max IP Input/Record	96Mbps/96Mbps	48Mbps/48Mbps	48Mbps/48Mbps
Audio In/out	1/1, 2-way	1/1, 2-way	1/1, 2-way
Max HDD	2×10TB	2×10TB	1×10TB
Display	HDMI(3840x2160) VGA(1920x1080), TV	HDMI(3840x2160) VGA(1920x1080)	HDMI(3840x2160) VGA(1920x1080)
eSATA	-	-	-
USB	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0
DVD Burner	USB	USB	USB
Alarm In/Out	-	-	-
Ethernet	1 Gigabit port	1 Gigabit port	1 Gigabit port
Remote User Login	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")
Power	DC54V, ≤20W(Without HDD)	DC54V, ≤15W(Without HDD)	DC53V, ≤15W(Without HDD)
Intelligent Video	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

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/I8, 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	PFA124-B+PFA151
Mount	Junction box	Pole mount	Corner 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				MExxE Series			
							
Model	PFB203W	PFB110W	PFB203W+PFA152-E	Model	PFA136	PFB203W	PFB203W+PFA152-E
Mount	Wall mount	Ceiling mount	Pole mount	Mount	Junction box	Wall mount	Pole mount

ACCESSORIES

HDWxxT-Z, T3Axx-VF, D1Axx Series			
			
Model	PFA130-E	PFB203W	PFB203W+PFA152-E
Mount	Junction box	Wall mount	Pole mount

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

EBW3802		
		
Model	PFA132-E	PFA132-E+PFA152-E
Mount	Junction box	Pole mount

HDWxxM, T2Axx Series			
			
Model	PFA13A-E	PFB204W	PFB204W+PFA152-E
Mount	Junction box	Wall mount	Pole mount

HDBWxxF Series			
			
Model	PFA139	PFB204W	PFB204W+PFA152-E
Mount	Junction box	Wall mount	Pole mount

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

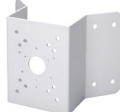
ACCESSORIES

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			PLZ1040-D	PFL0550-E6D	PFL085-J12M	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: 4MP	Image size: 1/2.7" Aperture: F1.6 Focus length: 5-50mm Mount: CS Resolution: 6MP	Image size: 4/3" Aperture: F2.8 Focus length: 8.5mm Mount: M43 Resolution: 12MP	Image size: 4/3" Aperture: F1.5 Focus length: 20-70mm Mount: M43 Resolution: 12MP

Testers				Pickups			
Model	PFM900-E	PFM905-E	PFM907	HAP100	HAP200	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; Analog video generator; Digital multimeter, data monitor, 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: 5-40m ² Sensitivity: -40dB 63×30×22mm (2.48"×1.18"×0.87")	Input DC12V Scope: 10-100 m ² Sensitivity: -30dB 79.6×79.6×21.5mm (3.13"×3.13"×0.85")	Scope: 10~70m ² Sensitivity: -34±3dB Working voltage: DC 12V Dimension: Φ40mm×20mm (Φ1.57"×0.79")	Input DC12V Scope: 5-100m ² Sensitivity: -24dB Φ80mm×23.5mm (Φ3.15"×0.93")

ACCESSORIES

Power Adapters

Model	DC Power					
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 3000VA/2700W 0ms transfer time

Coaxial Cables		Network Cables			
Model	PFM930-59N	PFM940I-59N/2	PFM920I-5EUN	PFM920I-6UN-C/U	PFM923I-6UN-C
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 Jacket: PVC(CPR), 4.7mm Color: white Length: 305m(1000.7ft)	UTP CAT6 Cable Conductor: OFC Jacket: PVC(CPR/UL), 6.0mm Color: white Length: 305m(1000.7ft)	UTP CAT6 Cable Conductor: OFC Jacket: LSZH(CPR), 6.0mm Color: white Length: 305m(1000.7ft)

ACCESSORIES

Cabinets						Video Extensions
Model	PDU	DH-PFC610-xD Series	DH-PFC200D-xU4D	DH-PFC200D-18U6D	DH-PFC200D-42U8D	PFM700-4K
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" 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)	HDMI Extender DC24V for transmitter 4K/40m, 1080P/80m Transmit 1-CH HDMI via UTP

Baluns				
Model	PFM800-4K/PFM800B-4K	PFM802P	PFM801-4MP	PFM809-4MP
Appearance				
Description	Passive Video Balun Transmission distance(HDCVI): 4K/4MP/200m, 1080P/250m, 720P/400m Also support AHD, TVI, CVBS Cable type: CAT5E/6 (R<10Ω/100m)	Passive Video Balun with Power KIT 4*Pair video/power balun & 1*DC12V0.7A*4 power adapter Support 50m transmission with 4*5.5w camera Cable type: CAT 5E/6 (R<10Ω/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<10Ω/100m)	16Channel Passive HDCVI Balun Receiver Transmission distance: 4MP: max.200m(656.17ft) (with passive transmitter) Cable type: CAT 5E/6 (R<10Ω/100m)

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 solve image problems caused by centralized power supply	HD Video Isolator Effectively solve image problems caused by ground loops.	

DISPLAY & CONTROL

Monitors				
	LM18-L100	DHI-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	1000:1	1000:1	1000:1	5500:1
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%	20~90%	10~85%
Power	AC100~240V (+/-10%) 20W	AC110~240V, 26W	AC100~240V(+/-10%), 40W	AC100~240V(+/-10%), 170W
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/48 CH@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	Intel x86 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(10/100/1000M), Wi-Fi, RS232, RS485
DVR/NVR Protocol	DH2
Dome Protocol	DH-SD1/PELCO-D/PELCO-P, etc.
Max Users	No limit(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 3.5mm jack
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

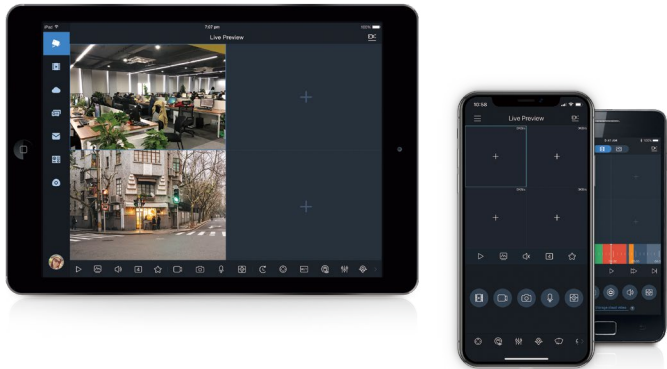
VIDEO MANAGEMENT SOFTWARE

DSS Products

	Model	DSS Express (Free) V1.00.003	DSS Express (Plus) V1.00.003	DSS Pro V7.02.002	DSS4004-S2-W V1.01.000	DSS4004-S2 V1.01.000	DSS7016D(R)-S2 V1.01.000
	Appearance						
Deployment	OS	Windows	Windows	Windows	Windows	Linux	Linux
	Form	Software	Software	Software	ALL-IN-ONE	ALL-IN-ONE	ALL-IN-ONE
	Hot standby	x	x	√	x	√	√
	Distribute	x	x	√	x	x	√
	Cascade As Superior Level	x	x	√	x	x	x
	Cascade As Subordinate Level	x	√	√	√	√	√
Performance	Camera	64	512	1000 IP, 2000 CH	64	512	1000 IP, 2000 CH
	Face Recognition	2	32	64	8	32	64
	ANPR	2	32	64	8	32	64
	Object Detection	x	x	64	x	x	64
	Maximum Video Input Bandwidth Per Server	350Mbps	350Mbps	600Mbps	350Mbps	350Mbps	700Mbps
	Maximum Storage Bandwidth Per Server	150Mbps	150Mbps	600Mbps	150Mbps	150Mbps	700Mbps
Features	Onvif	√	√	√	√	√	√
	Auto Register	x	x	√	x	x	√
	P2P	√	√	x	√	x	x
	Microsoft Active Directory	x	x	√	x	x	√
	Disk Group	x	x	√	x	x	√
	ISCSI	x	√	√	√	√	√
	Records backup from device by time or wifi	x	x	√	x	x	√
	GIS Map	x	x	√	x	x	√
	Thumbnail search	x	x	√	x	x	√
	Access Control, Video Intercom, Attendance, Entrance	√	√	√	√	√	√
	Perimeter Protection	√	√	√	√	√	√
	Thermal Alarm	√	√	√	√	√	√
AI	Face Recognition	√	√	√	√	√	√
	Flow Analysis	√	√	√	√	√	√
	ANPR	√	√	√	√	√	√
	Object detection	x	x	√	x	x	√
Add on	Add-ons	x	x	√	x	x	x

VIDEO MANAGEMENT SOFTWARE

DMSS



Digital Mobile Surveillance System
Monitor Anything with 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 detect, 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.

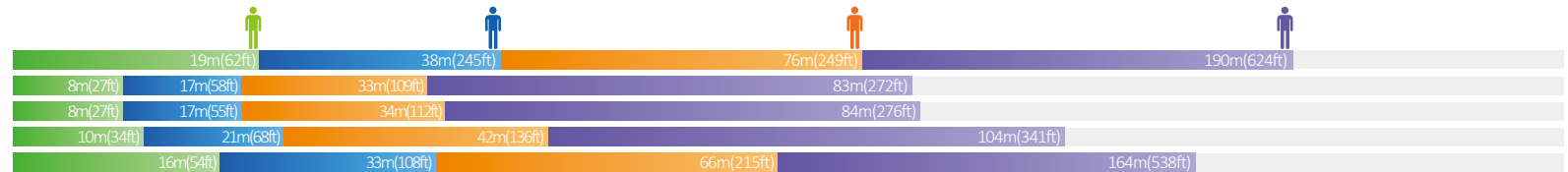
- Detect: 25ppm
- Observe: 63ppm
- Recognize: 125ppm
- Identify: 250ppm

HDCVI CAMERA

Pro Series

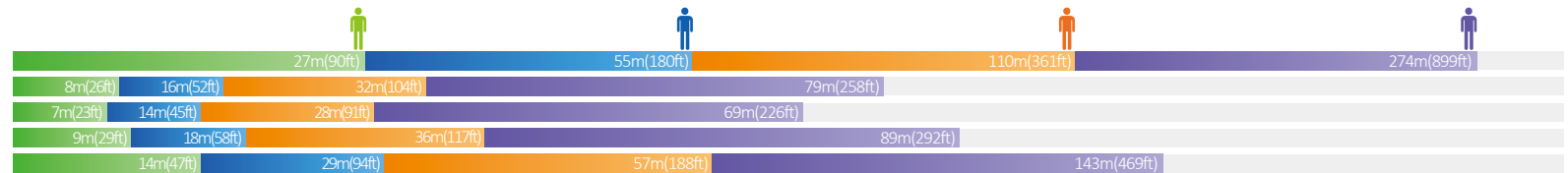
2802 Series

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



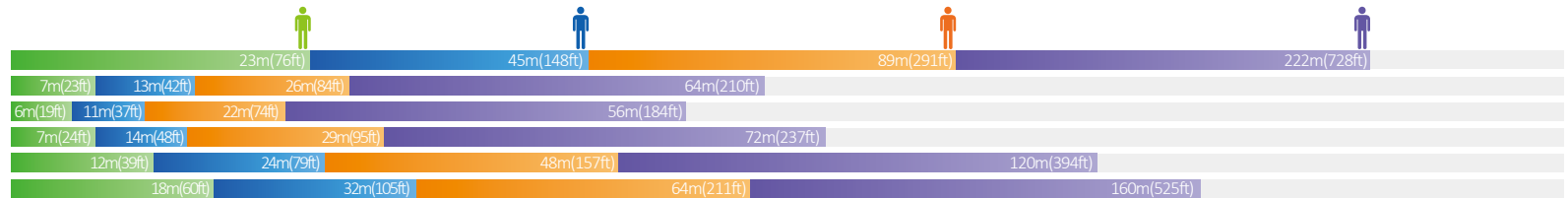
2601 Series

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



2501 Series

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

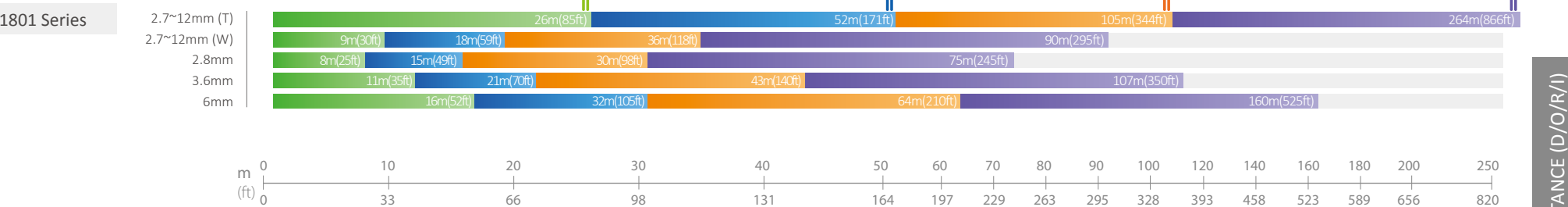


DORI Distance (D/O/R/I)

Pro Series



Lite Series

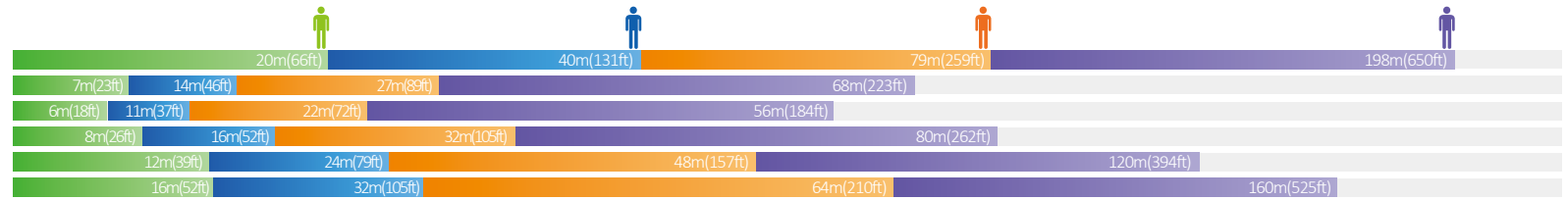


DORI Distance (D/O/R/I)

Lite Series

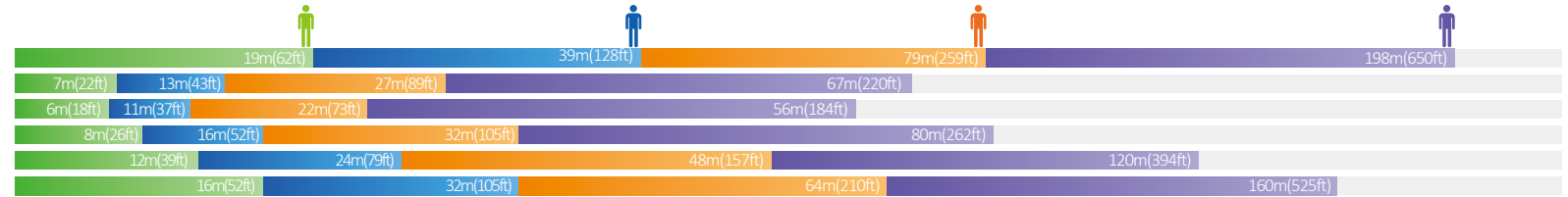
1500 Series

2.7~12mm (T)
2.7~12mm (W)
2.8mm
3.6mm
6mm
8mm



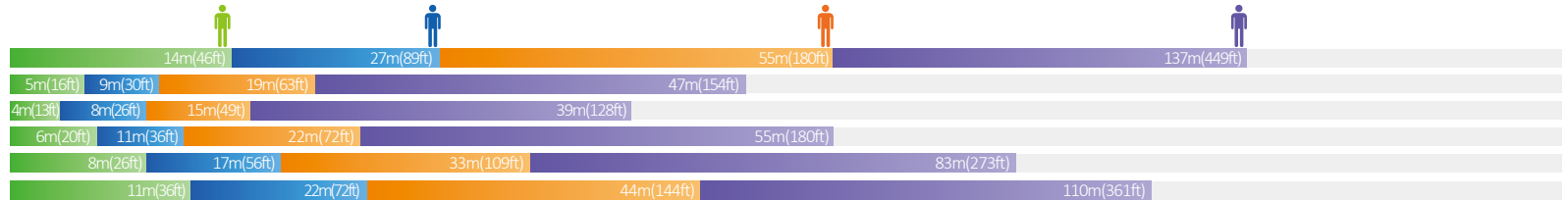
1400 Series

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



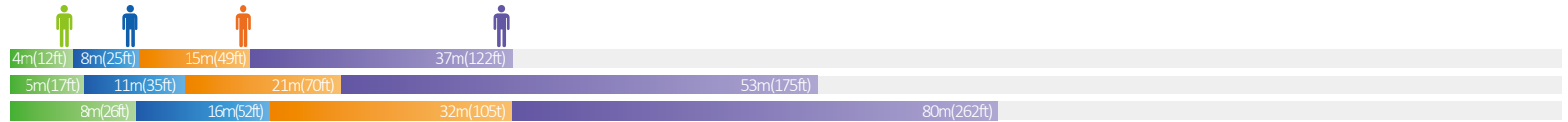
1230 Series

2.7~12mm (T)
2.7~12mm (W)
2.8mm
3.6mm
6mm
8mm



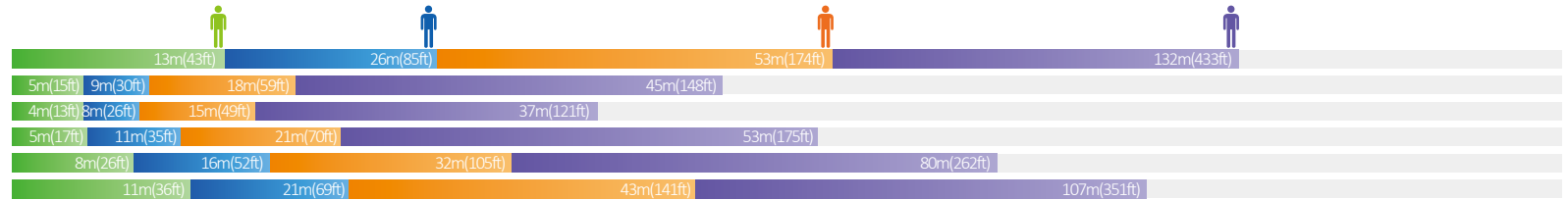
1220 Series

2.8mm
3.6mm
6mm



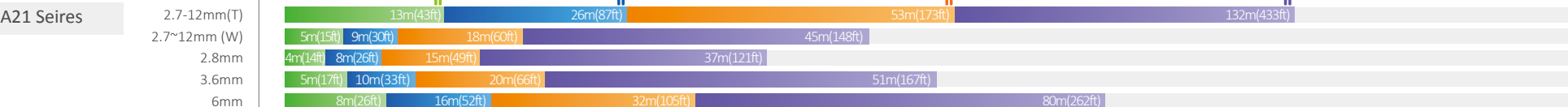
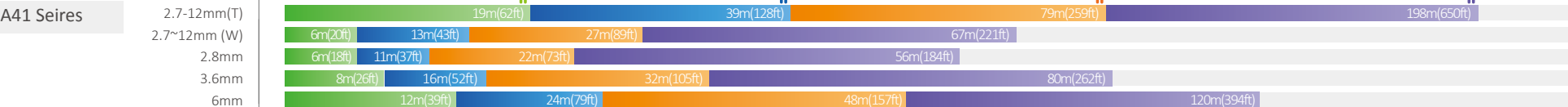
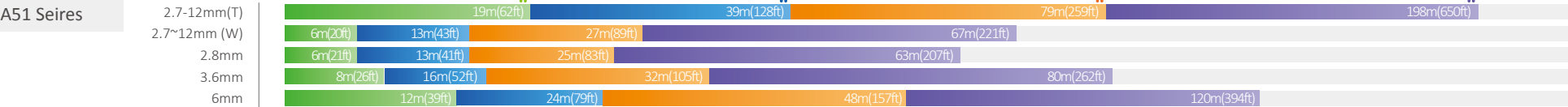
1200 Series

2.7~12mm (T)
2.7~12mm (W)
2.8mm
3.6mm
6mm
8mm

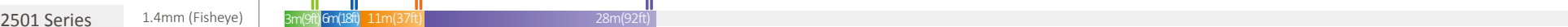


DORI Distance (D/O/R/I)

Cooper Series



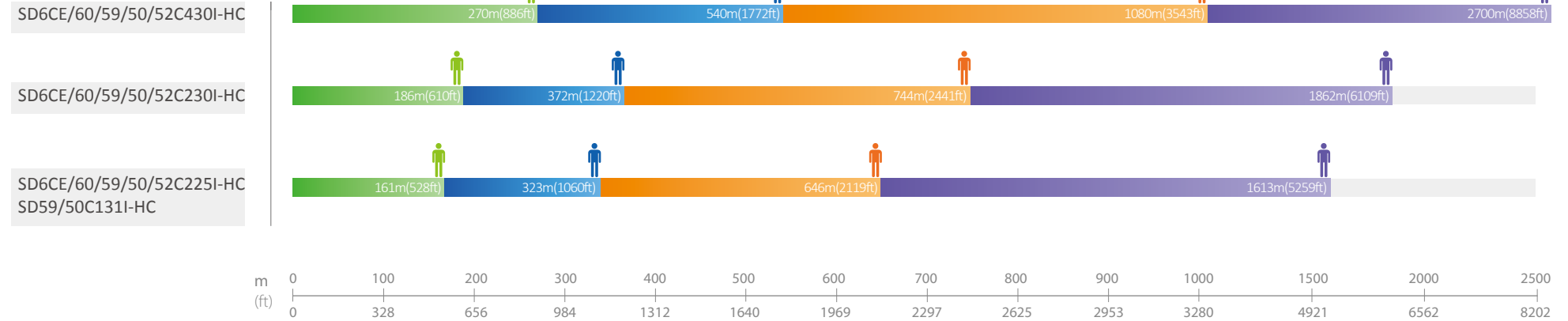
Panorama Series



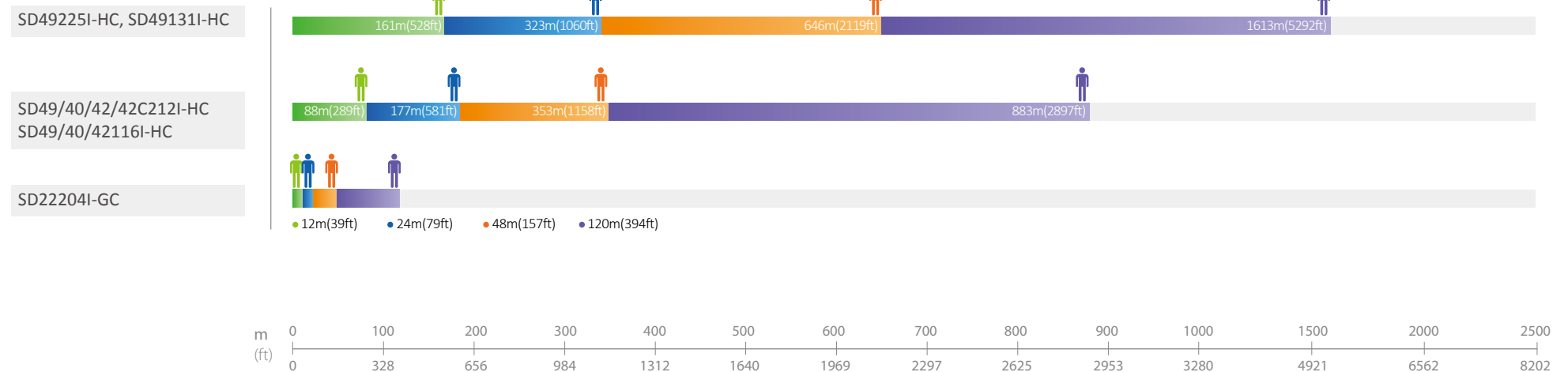
DORI Distance (D/O/R/I)

HDCVI PTZ CAMERA

Pro Series



Lite Series



ENABLING A SAFER SOCIETY AND SMARTER LIVING

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* Design and specifications are subject to change without notice.

HDCVI PRODUCT SELECTION V2 - 01, June 2019



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