



IP VIDEO DISTRIBUTION PRODUCTS | 2020 Ver. 2

Network Cameras / PTZ / NVR / Thermal / Transmission / Display & Control / Accessories / Video Management Software / DORI Distance





Lite Series Network Camera

Lite series network camera has efficient video encoding capacity with upgraded H.265 encoding technology, which saves bandwidth and storage space. This camera adopts the starlight technology and displays better color image even under low light condition.



Starlight

The Dahua Starlight technology provides clear and colorful videos of scenes with low illumination. It can guarantee good quality images even under ultra-low light condition.



WDR

With advanced Wide Dynamic Range (WDR) technology, Dahua network camera provides clear details in environments with strong brightness contrast. It can capture clear videos of bright and dark areas of a scene with high brightness or backlight shadow. All products in this series support WDR, except fixed 2230 series.



SD Card

This series offers SD card storage. With 256GB SD card, the Lite Series Network Cameras supports 24/7 continuous motion detection recording and remote DMSS app.



Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, the Dahua Smart Encoding technology realizes higher encoding efficiency compared with H.265 and H.264, providing high-quality videos and reducing storage and transmission costs.

NETWORK CAMERAS







Lite Series

Vari-focal Bullet

Model	IPC-HFW2831T-ZAS-S2	IPC-HFW2831T-ZS-S2	IPC-HFW2531T-ZAS-S2	IPC-HFW2531T-ZS-S2	IPC-HFW2431T-ZAS-S2	IPC-HFW2431T-ZS-S2	IPC-HFW2231T-ZAS-S2	IPC-HFW2231T-ZS-S2
Appearance	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight+	 Starlight+
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5
FOV-H	113°~31°	113°~31°	100°~26°	100°~26°	104°~27°	104°~27°	109°~28°	109°~28°
Min. Illumination	0.008 Lux@F1.5	0.008 Lux@F1.5	0.005 Lux@F1.5	0.005 Lux@F1.5	0.01 Lux@F1.5	0.01 Lux@F1.5	0.002 Lux@F1.5	0.002 Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	60m (196.85 ft)	60m (196.85 ft)	60m (196.85 ft)	60m (196.85 ft)	60m (196.85 ft)	60m (196.85 ft)	60m (197ft)	60m (197ft)
Video Compression	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec
Max. Resolution	8MP (3840x2160)	8MP (3840x2160)	5MP (2592x1944)	5MP (2592x1944)	4MP (2560x1440)	4MP (2560x1440)	1080P (1920x1080)	1080P (1920x1080)
Frame Rate	15fps@8MP	15fps@8MP	20fps@5MP	20fps@5MP	25/30fps@4MP	25/30fps@4MP	25/30fps@2MP	25/30fps@2MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec
Audio In/Out	1/1	--	1/1	--	1/1	--	1/1	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--
Ingress Protection	IP67	IP67	IP67	IP67	IP67; IK10 (optional)	IP67; IK10 (optional)	IP67; IK10 (optional)	IP67; IK10 (optional)
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)	-30°C~+60°C (-22°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)
Power	DC12V, PoE Max. 9.9W	DC12V, PoE Max. 9.9W	DC12V, PoE Max. 10W	DC12V, PoE Max. 10W	DC12V, PoE Max. 9.6W	DC12V, PoE Max. 9.6W	DC12V, PoE Max. 9.6W	DC12V, PoE Max. 9.6W





Lite Series

Vari-focal Dome

Model	IPC-HDBW2831R-ZAS-S2	IPC-HDBW2831R-ZS-S2	IPC-HDBW2531R-ZAS-S2	IPC-HDBW2531R-ZS-S2	IPC-HDBW2431R-ZAS-S2	IPC-HDBW2431R-ZS-S2	IPC-HDBW2231R-ZAS-S2	IPC-HDBW2231R-ZS-S2
Appearance	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight	 Starlight+	 Starlight+
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5
FOV-H	113°~31°	113°~31°	100°~26°	100°~26°	104°~27°	104°~27°	109°~28°	109°~28°
Min. Illumination	0.008 Lux@F1.5	0.008 Lux@F1.5	0.005 Lux@F1.5	0.005 Lux@F1.5	0.01 Lux@F1.5	0.01 Lux@F1.5	0.002 Lux@F1.5	0.002 Lux@F1.5
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	40m (131.2 ft)	40m (131.2 ft)	40m (131.2ft)	40m (131.2ft)	40m (131.2ft)	40m (131.2ft)	40m (131.2ft)	40m (131.2ft)
Video Compression	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec
Max. Resolution	8MP (3840x2160)	8MP (3840x2160)	5MP (2592x1944)	5MP (2592x1944)	4MP (2560x1440)	4MP (2560x1440)	1080P (1920x1080)	1080P (1920x1080)
Frame Rate	15fps@8MP	15fps@8MP	20fps@5MP	20fps@5MP	25/30fps@4MP	25/30fps@4MP	25/30fps@2MP	25/30fps@2MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~355°; Tilt: 0°~67° Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~67° Rotation: 0°~355°	Pan:0°~355°; Tilt:0°~67°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~67°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~67°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~67°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~75°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~75°; Rotation:0°~355°
Intelligent Video	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion
Compatibility	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec
Audio In/Out	1/1	--	1/1	--	1/1	--	1/1	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	--	1 channel In: 5mA 3V~5VDC 1 channel Out: 300mA 12VDC	--
Ingress Protection	IP67; IK10	IP67; IK10	IP67; IK10	IP67; IK10	IP67; IK10	IP67; IK10	IP67; IK10	IP67; 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)	-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,PoE Max. 7.4W	DC12V,PoE Max. 7.4W	DC12V,PoE Max. 8W	DC12V,PoE Max. 7.9W	DC12V,PoE Max. 6.5W	DC12V,PoE Max. 6.5W	DC12V,PoE Max. 6.4W	DC12V,PoE Max. 6.4W

NETWORK CAMERAS

Lite Series

	Vari-focal Eyeball				Fixed-focal Bullet			
Model	IPC-HDW2831T-ZS-S2	IPC-HDW2531T-ZS-S2	IPC-HDW2431T-ZS-S2	IPC-HDW2231T-ZS-S2	IPC-HFW2831T-AS-S2	IPC-HFW2531T-AS-S2	IPC-HFW2431T-AS-S2	IPC-HFW2231T-AS-S2
Appearance	 Starlight	 Starlight	 Starlight	 Starlight+	 Starlight	 Starlight	 Starlight	 Starlight+
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS
Focal Length	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	2.7 mm~13.5 mm/F1.5	3.6 mm/F2.0 6 mm/F2.0	3.6 mm/F1.6; 6 mm/F1.6 8 mm/F1.6	3.6 mm/F1.6; 6 mm/F1.6 8 mm/F1.6	3.6 mm/F1.6; 6 mm/F1.6 8 mm/F1.6
FOV-H	113°~31°	100°~26°	104°~27°	109°~28°	87°/ 54°	84°/ 51°/ 40°	84°/ 52°/ 40°	87°/ 54°/ 41°
Min. Illumination	0.008 Lux@F1.5	0.005 Lux@F1.5	0.01 Lux@F1.5	0.002 Lux@F1.5	0.008 Lux@F1.6	0.008 Lux@F1.6	0.008 Lux@F1.6	0.002 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	40m (131.2 ft)	40m (131.2ft)	40m (131.2ft)	40m (131.2ft)	80m (262.5 ft)	80m (262.5 ft)	80m (262.5 ft)	80m (262.5 ft)
Video Compression	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec
Max. Resolution	8MP (3840x2160)	5MP (2592x1944)	4MP (2560x1440)	1080P (1920x1080)	8MP (3840x2160)	5MP (2592x1944)	4MP (2560x1440)	1080P (1920x1080)
Frame Rate	15fps@8MP	20fps@5MP	25/30fps@4MP	25/30fps@2MP	15fps@8MP	20fps@5MP	25/30fps@4MP	25/30fps@2MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360°;Tilt: 0°~78° Rotation: 0°~360°	Pan:0°~355°; Tilt:0°~78°; Rotation:0°~360°	Pan:0°~355°; Tilt:0°~78°; Rotation:0°~360°	Pan:0°~355°; 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°
Intelligent Video	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion
Compatibility	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G/ Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/ Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/ Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/ Profile T); CGI; Milestone; Genetec; P2P
Audio In/Out	--	--	--	--	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC
Ingress Protection	IP67	IP67	IP67	IP67	IP67; IK10 (optional)	IP67; IK10 (optional)	IP67; IK10 (optional)	IP67; IK10 (optional)
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)	-40°C to +60°C (-40°F to +140°F)	-40°C to +60°C (-40°F to +140°F)	-40°C to +60°C (-40°F to +140°F)	-40°C to +60°C (-40°F to +140°F)
Power	DC12V,PoE Max. 7.6W	DC12V,PoE Max. 7.3W	DC12V,PoE Max. 6.4W	DC12V,PoE Max. 6.4W	DC12V,PoE Max. 9.9W	DC12V,PoE Max. 9.9W	DC12V,PoE Max. 9.6W	DC12V,PoE Max. 9.6W








Lite Series

Fixed-focal Bullet

Model	IPC-HFW2831S-S-S2	IPC-HFW2531S-S-S2	IPC-HFW2431S-S-S2	IPC-HFW2231S-S-S2	IPC-HFW2230S-S-S2	IPC-HFW2239M-AS-LED-B-S2	IPC-HFW2439M-AS-LED-B-S2
Appearance	 Starlight	 Starlight	 Starlight	 Starlight+	 Starlight	 Full Color	 Full Color
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP CMOS	1/3" 4MP CMOS
Focal Length	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	3.6 mm/F1.0 6 mm/F1.0	3.6 mm/F1.0 6 mm/F1.0
FOV-H	105°/ 87°	103°/ 84°	102°/ 84°	106°/ 87°	110°/ 91°	91°/55°	91°/55°
Min. Illumination	0.009 Lux@F2.0	0.005 Lux@F1.6	0.01 Lux@F1.6	0.002 Lux @F1.6	0.005 Lux@F1.6	0.0017 Lux@F1.0	0.004 Lux@F1.0
Day/Night	ICR	ICR	ICR	ICR	ICR	Color/B/W	Color/B/W
WDR	120dB	120dB	120dB	120dB	DWDR	120dB	120dB
Max. IR Distance	30m (98ft)	30m (98ft)	30m(98ft)	30m (98ft)	30m (98ft)	40m (131.2 ft)	40m (131.2 ft)
Video Compression	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec
Max. Resolution	8MP (3840x2160)	5MP (2592x1944)	4MP (2560x1440)	1080P (1920x1080)	1080P (1920x1080)	1080P (1920x1080)	4MP (2560x1440)
Frame Rate	15fps@8MP	20fps@5MP	25/30fps@4MP	25/30fps@2MP	25/30fps@2MP	25/30fps@2MP	25/30fps@4MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360°;Tilt: 0°~90° Rotation: 0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°	--	--
Intelligent Video	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion
Compatibility	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P
Audio In/Out	--	--	--	--	--	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	--	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC
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 to +140°F)	-40°C to +60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)
Power	DC12V,PoE Max. 5.5W	DC12V,PoE Max. 5.6W	DC12V,PoE Max. 5W	DC12V,PoE Max. 4.9W	DC12V,PoE Max. 4.6W	DC12V,PoE Max. 10W	DC12V,PoE Max. 10.2W

NETWORK CAMERAS

Lite Series

	Fixed-focal Bullet		Fixed-focal Dome				
Model	IPC-HFW2239S-SA-LED-S2	IPC-HFW2439S-SA-LED-S2	IPC-HDBW2831E-S-S2	IPC-HDBW2531E-S-S2	IPC-HDBW2431E-S-S2	IPC-HDBW2231E-S-S2	IPC-HDBW2230E-S-S2
Appearance							
Image Sensor	1/2.8" 2MP CMOS	1/3" 4MP CMOS	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.7" 2MP CMOS
Focal Length	2.8 mm/F1.0 3.6 mm/F1.0	2.8 mm/F1.0 3.6 mm/F1.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6
FOV-H	107°/91°	96°/81°	105°/ 87°	103°/ 84°	102°/ 84°	106°/ 87°	110°/ 91°
Min. Illumination	0.0017 Lux@F1.0	0.004 Lux@F1.0	0.009 Lux@F2.0	0.005 Lux@F1.6	0.01 Lux@F1.6	0.002 Lux @F1.6	0.005 Lux @ F1.6
Day/Night	Color/B/W	Color/B/W	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB	DWDR
Max. IR Distance	30m (98.4 ft)	30m (98.4 ft)	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)
Video Compression	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec
Max. Resolution	1080P(1920x1080)	4MP(2560x1440)	8MP (3840x2160)	5MP(2592x1944)	4MP(2560x1440)	1080P(1920x1080)	1080P(1920x1080)
Frame Rate	25/30fps@2MP	25/30fps@4MP	15fps@8MP	20fps@5MP	25/30fps@4MP	25/30fps@2MP	25/30fps@2MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
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°~355°; Tilt:0°~65°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~65°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~65°; Rotation:0°~355°	Pan:0°~355°; Tilt:0°~65°; Rotation:0°~355°
Intelligent Video	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion
Compatibility	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec
Audio In/Out	Built-in MIC	Built-in MIC	--	--	--	--	--
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	--	--	--
Ingress Protection	IP67	IP67	IP67; IK10	IP67; IK10	IP67; IK10	IP67; IK10	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 to +60°C (-40°F to +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,PoE Max. 6W	DC12V,PoE Max. 6.2W	DC12V,PoE Max. 6.2W	DC12V,PoE Max. 6.1W	DC12V,PoE Max. 5.2W	DC12V,PoE Max. 5.4W	DC12V,PoE Max. 5W







Lite Series

Fixed-focal Eyeball

Model	IPC-HDW2831TM-AS-S2	IPC-HDW2531TM-AS-S2	IPC-HDW2431TM-AS-S2	IPC-HDW2231TM-AS-S2	IPC-HDW2831T-AS-S2	IPC-HDW2531T-AS-S2	IPC-HDW2431T-AS-S2
Appearance	 Starlight	 Starlight	 Starlight	 Starlight+	 Starlight	 Starlight	 Starlight
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/3" 4MP CMOS
Focal Length	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6
FOV-H	105°/ 87°	103°/ 84°	102°/ 84°	106°/ 87°	105°/ 87°	103°/ 84°	102°/ 84°
Min. Illumination	0.009 Lux@F2.0	0.005 Lux@F1.6	0.01 Lux@F1.6	0.002 Lux @F1.6	0.009 Lux@F2.0	0.005 Lux@F1.6	0.01 Lux@F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)	30m (98ft)
Video Compression	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec
Max. Resolution	8MP (3840x2160)	5MP (2592x1944)	4MP (2560x1440)	1080P (1920x1080)	8MP (3840x 2160)	5MP (2592x1944)	4MP (2560x1440)
Frame Rate	15fps@8MP	20fps@5MP	25/30fps@4MP	15fps@8MP	15fps@8MP	20fps@5MP	25/30fps@4MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan:0°~360°; Tilt:0°~78° Rotation:0°~360°	Pan:0°~360°; Tilt:0°~78° Rotation:0°~360°
Intelligent Video	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion	Tripwire; Intrusion
Compatibility	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec
Audio In/Out	Built-in MIC	Built-in MIC	Built-in MIC	Built-in MIC	Built-in MIC	Built-in MIC	Built-in MIC
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	--	--	--
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 to +60°C (-40°F to +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,PoE Max. 7.2W	DC12V,PoE Max. 7.2W	DC12V,PoE Max. 6.6W	DC12V,PoE Max. 6.5W	DC12V,PoE Max. 7.2W	DC12V,PoE Max. 7.2W	DC12V,PoE Max. 6.6W

NETWORK CAMERAS

Lite Series

	Fixed-focal Eyeball				Wedge Dome	
Model	IPC-HDW2231T-AS-S2	IPC-HDW2230T-AS-S2	IPC-HDW2239T-AS-LED-S2	IPC-HDW2439T-AS-LED-S2	IPC-HDBW2231F-AS-S2	IPC-HDBW2431F-AS-S2
Appearance	 Starlight+	 Starlight	 Full-color	 Full-color	 Starlight+	 Starlight
Image Sensor	1/2.8" 2MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP CMOS	1/3" 4MP CMOS	1/2.8" 2MP CMOS	1/3" 4MP CMOS
Focal Length	2.8mm/F1.6 3.6mm/F1.6	2.8mm/F1.6 3.6mm/F1.6	2.8 mm/F1.0 3.6 mm/F1.0	2.8 mm/F1.0 3.6 mm/F1.0	2.8 mm/F1.6 3.6 mm/F1.6	2.8 mm/F1.6 3.6 mm/F1.6
FOV-H	106°/ 87°	110°/ 91°	107°/91°	96°/81°	106°/87°	102°/84°
Min. Illumination	0.002 Lux @F1.6	0.005 Lux @ F1.6	0.0017 Lux@F1.0	0.004 Lux@F1.0	0.002 Lux@F1.6	0.008 Lux@F1.6
Day/Night	ICR	ICR	Color/B/W	Color/B/W	ICR	ICR
WDR	120dB	DWDR	120dB	120dB	120dB	120dB
Max. IR Distance	30m (98ft)	30m (98ft)	30m (98.4 ft)	30m (98.4 ft)	30m (98.4 ft)	30m (98.4 ft)
Video Compression	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec	H.265; H.264; H.265B; MJPEG Supported smart codec
Max.. Resolution	1080P (1920x1080)	1080P (1920x1080)	1080P (1920x1080)	4MP (2560x1440)	1080P (1920x1080)	4MP (2560x1440)
Frame Rate	25/30fps@2MP	25/30fps@2MP	25/30fps@2MP	25/30fps@4MP	25/30fps@2MP	25/30fps@4MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan:0°~360°; Tilt:0°~78° Rotation:0°~360°	Pan:0°~355°; Tilt:0°~78° Rotation:0°~360°	Pan: 0°~360°;Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°;Tilt: 0°~78° Rotation: 0°~360°	Pan: -30°~30°;Tilt: 0°~80° Rotation: 0°~360°	Pan: -30°~30°;Tilt: 0°~80° Rotation: 0°~360°
Intelligent Video	Tripwire,Intrusion	Tripwire,Intrusion	Tripwire; intrusion	Tripwire; intrusion	Tripwire; intrusion	Tripwire; intrusion
Compatibility	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P
Audio In/Out	Built-in MIC	Built-in MIC	Built-in MIC	Built-in MIC	Built-in MIC; 1/1	Built-in MIC; 1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Alarm In/Out	--	--	--	--	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC
Ingress Protection	IP67	IP67	IP67	IP67	IP67; IK10	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)
Power	DC12V,PoE Max. 6.5W	DC12V,PoE Max. 5.9W	DC12V,PoE Max. 7.1W	DC12V,PoE Max. 7.4W	DC12V,PoE Max. 5.4W	DC12V,PoE Max. 5.4W

ENABLING A SAFER SOCIETY AND SMARTER LIVING

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* Design and specifications are subject to change without notice.

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