# 5MP Smart Hybrid Light Active Deterrence Dark Killer Ultra Al Fixed-Focal IPC



- 5MP 1/1.8 CMOS Sensor
- Support H.264+, H.265+
- IR distance 40m, Warm light distance 40m
- Perimeter Protection, Face Detection, SMD, Smart Object
   Detection, People Counting, Video Metadata, Parking Space Detection
- Support Built-in Mic & Speaker
- Support White Light Alarm, Sound Alarm, Arm and Disarm
- Supports max. 256 G Micro SD card
- 2.8mm fixed lens (3.6mm/6mm optional)
- 12 VDC/PoE power supply
- IP67 protection

Camera		
Image Sensor	1/1.8" CMOS	
Max. Resolution	5MP, 2688 (H) × 1520 (V)	
Scanning System	Progressive	
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s	
Min. Illumination	0.0006 lux@F1.6(F1.0 optional) (Color, 30 IRE),0.0004 lux@F1.6(F1.0 optional) (B/W, 30 IRE),0 lux (Illuminator on)	
S/N Ratio	> 56 dB	
Illumination Distance	IR distance 40m, Warm light distance 40m	
Illuminator Control	Auto; Manual	
Lens		
Lens Type	Fixed-Focal	
Focal Length	2.8mm/3.6mm/6.0mm	
Max. Aperture	F1.6(F1.0 optional)	
Intelligence		
Smart Motion Detection	Yes	
Perimeter Protection	Intrusion, Tripwire; Loitering Detection; People Gathering; Parking Detection	
Face Detection	Face detection; Track; Snapshot; Snapshot Optimization;	
Parking Space Detection	Yes	
Object Detection	Abandoned Object; Missing Object	
People Counting	People Counting in area, exporting report (day/week/month)	
Video Metadata	Motor Vehicle, Non-motor vehicle, Face, Human Body Detection; Info Collecting Motor Vehicle Attributes; Non-motor Vehicle Attributes; Human Body Attributes; Face Attributes;	
Heat Map	Support	

#### Ultra Al Series | IPC-EF5519M-AS

Al Search

Work together with NVR

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Compression         H.264H; H.264M; H.264B; H.265 MJPFG (Customization)           Smart Compression         H.264H+; H.264M+; H.264B+; H.265+           Wideo Frame Rate         Sub stream: 1080P(1–25/30 fps)           Stream Capability         3 Streams           Bit Rate Control         CRR/VBR           Wideo Bit Rate         H.264: up to 16384 kbps           H.265: up to 16384 kbps         H.265: up to 16384 kbps           Bit Control         Yes           HC         Yes           Wide Bit Balance         Yes           Wide Bit Balance         Yes           Wide Reduction         3D NR           Motion Detection         OFF/ON (4 Areas, rectangular)           Image Rotation         180°           Image Rotation         4 Areas           Audio         Yes           Privacy Masking         4 Areas           Built-in Mic         Yes	Video		
Video Frame Rate         Sub stream: D1@(1-25/30 fps)           Fried Stream: D1@(1-25/30 fps)           Stream Capability         3 Streams           Bit Rate Control         CBR/VBR           Video Bit Rate         H.264: up to 16384 kbps           Publish         H.265: up to 16384 kbps           Day/Night         Color/B/W           Bit C         Yes           HIC         Yes           WDR         140 dB           White Balance         Yes           Gain Control         Auto/Manual           Noise Reduction         3D NR           Motion Detection         OFF/ON (4 Areas, rectangular)           Image Rotation         180°           Mirror         Yes           Privacy Masking         4 Areas           Audio           Built-in Mic         Yes           Built-in Speaker         Yes           Two way talk         Yes           Audio Compression         G.711a; G.711Mu; G.726; G.726ASF           Auding/Disarming         Yes           Sound Alarm         Yes           Light Alarm         Yes           Qual Alarm Event         Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error           Network<	Compression	H.264H; H.264M; H.264B; H.265 MJPEG (Customization)	
Video Frame Rate         Sub stream: 1080P(1-25/30 fps)           Stream Capability         3 Streams           Bit Rate Control         CBR/VBR           Video Bit Rate         H.264: up to 16384 kbps           H.265: up to 16384 kbps         H.265: up to 16384 kbps           Day/Night         Color/8/W           BLC         Yes           HLC         Yes           WDR         140 dB           White Balance         Yes           Gain Control         Auto/Manual           Noise Reduction         3D NR           Motion Detection         OFF/ON (4 Areas, rectangular)           Image Rotation         180°           Mirror         Yes           Privacy Masking         4 Areas           Audio         Yes           Built-in Mic         Yes           Built-in Speaker         Yes           Two-way talk         Yes           Audio Compression         6.711a; G.711Mu; G.726; G.726ASF           Alarm         Yes           Light Alarm         Yes           Light Alarm         Yes           Light Alarm         Yes           Alarm Event         Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error <t< td=""><td>Smart Compression</td><td>H.264H+; H.264M+; H.264B+; H.265+</td></t<>	Smart Compression	H.264H+; H.264M+; H.264B+; H.265+	
Stream Capability         3 Streams           Stream Capability         3 Streams           Bit Rate Control         CBR/VBR           Video Bit Rate         H.264: up to 16384 kbps           Day/Night         Color/B/W           BLC         Yes           HLC         Yes           WDR         140 dB           White Balance         Yes           WDR         Auto/Manual           Noise Reduction         3D NR           Motion Detection         0FF/ON (4 Areas, rectangular)           Image Rotation         180°           Mirror         Yes           Privacy Masking         4 Areas           Audio         Yes           Built-in Mic         Yes           Built-in Speaker         Yes           Two-way talk         Yes           Audio Compression         6.711a; G.711Mu; G.726; G.726ASF           Alarm         Yes           Alarm Fvent         Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error           Network         RJ-45 (10/100 Base-T)           SDK and API         Yes           Network Protocol         TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPDE;UPNP;SMTP           Interoperability	Video Frame Rate	Main stream:5MP@(1-25/30 fps)	
Stream Capability         3 Streams           Bit Rate Control         CBR/VBR           Video Bit Rate         H.264: up to 16384 kbps           Day/Night         Color/B/W           BLC         Yes           HLC         Yes           WDR         140 dB           White Balance         Yes           Gain Control         Auto/Manual           Noise Reduction         3D NR           Motion Detection         OFF/ON (4 Areas, rectangular)           Image Rotation         180°           Mirror         Yes           Privacy Masking         4 Areas           Audio         Yes           Built-in Speaker         Yes           Built-in Mic         Yes           Ves         Yes           Built-in Speaker         Yes           Sound-Alarm         Yes           Sound Alarm         Yes           Light Alarm         Yes           Alarm         Yes		Sub stream: D1@(1-25/30 fps)	
Bit Rate Control         CBR/VBR           Video Bit Rate         H.264: up to 16384 kbps           Day/Night         Color/B/W           BLC         Yes           HLC         Yes           WDR         140 dB           White Balance         Yes           Gain Control         Auto/Manual           Noise Reduction         3D NR           Motion Detection         OFF/ON (4 Areas, rectangular)           Image Rotation         180°           Mirror         Yes           Privacy Masking         4 Areas           Audio           Built-in Mic         Yes           Built-in Mic         Yes           Built-in Speaker         Yes           Two-way talk         Yes           Audio Compression         G.711a; G.711Mu; G.726; G.726ASF           Alarm         Yes           Sound Alarm         Yes           Light Alarm         Yes           Alarm Event         Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error           Network         RJ-45 (10/100 Base-T)           SDK and API         Yes           Network Protocol         TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP		Third stream: 1080P(1–25/30 fps)	
H.264; up to 16384 kbps     H.265; up to 16384 kbps	Stream Capability	3 Streams	
Video Bit Rate         H.265: up to 16384 kbps           Day/Night         Color/B/W           BLC         Yes           HLC         Yes           WDR         140 dB           White Balance         Yes           Gain Control         Auto/Manual           Noise Reduction         3D NR           Motion Detection         OFF/ON (4 Areas, rectangular)           Image Rotation         180°           Mirror         Yes           Privacy Masking         4 Areas           Audio           Built-in Mic         Yes           Built-in Speaker         Yes           Two-way talk         Yes           Audio Compression         G.711a; G.711Mu; G.726; G.726ASF           Alarm         Yes           Sound Alarm         Yes           Light Alarm         Yes           Alarm Event         Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error           Network         RJ-45 (10/100 Base-T)           SDK and API         Yes           Network Protocol         TCP/IP; LDP; HTTP; IGMP; ICMP; DHCP; RTP/RTSP; DNS; DDNS; FTP; NTP; PPPOE; UPNP; SMTP           Interoperability         ONVIF; CGI; P2P           User/Host         20 (Total bandw	Bit Rate Control	CBR/VBR	
Day/Night         Color/B/W           BLC         Yes           HLC         Yes           WDR         140 dB           White Balance         Yes           Gain Control         Auto/Manual           Noise Reduction         3D NR           Motion Detection         OFF/ON (4 Areas, rectangular)           Image Rotation         180°           Mirror         Yes           Privacy Masking         4 Areas           Audio         Yes           Built-in Mic         Yes           Built-in Speaker         Yes           Two-way talk         Yes           Audio Compression         6.711a; G.711Mu; G.726; G.726ASF           Alarm         Yes           Sound Alarm         Yes           Light Alarm         Yes           Alarm Event         Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error           Network         RJ-45 (10/100 Base-T)           SDK and API         Yes           Network Protocol         TCP/IP; UDP; HTTP; IGMP; ICMP; DHCP; RTP/RTSP; DNS; DDNS; FTP; NTP; PPPOE; UPNP; SMTP           Interoperability         ONVIF, CGI; P2P           User/Host         20 (Total bandwidth: 80 M)	Video Pit Poto	H.264: up to 16384 kbps	
BLC         Yes           HLC         Yes           WDR         140 dB           White Balance         Yes           Gain Control         Auto/Manual           Noise Reduction         3D NR           Motion Detection         OFF/ON (4 Areas, rectangular)           Image Rotation         180°           Mirror         Yes           Privacy Masking         4 Areas           Audio         Ves           Built-in Mic         Yes           Built-in Speaker         Yes           Built-in Speaker         Yes           Audio Compression         6.711a; G.711Mu; G.726; G.726ASF           Audional Compression         7.71a; G.711Mu; G.726; G.726ASF           Alarm         Yes           Sound Alarm         Yes           Light Alarm         Yes           Alarm Event         Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error           Network         Network           SDK and API         Yes           Network Protocol         TCP/IP; UDP; HTTP; IGMP; ICMP; DHCP; RTP/RTSP; DNS; DDNS; FTP; NTP; PPPOE; UPNP; SMTP           Interpoerability         ONVIF; CGI; P2P           User/Host         20 (Total bandwidth: 80 M)	Video Bit Rate	H.265: up to 16384 kbps	
HLC Yes  WDR 140 dB  White Balance Yes  Gain Control Auto/Manual  Noise Reduction 3D NR  Motion Detection OFF/ON (4 Areas, rectangular)  Image Rotation 180°  Mirror Yes  Privacy Masking 4 Areas  Audio  Built-in Mic Yes  Built-in Speaker Yes  Two-way talk Yes  Audio Compression G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Yes  Light Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP; UDP; HTTP; IGMIP; ICMP; DHCP; RTP/RTSP; DNS; DDNS; FTP; NTP; PPPOE; UPNP; SMTP  Interoperability ONVIF; CGI; P2P  User/Host 2D Interoperability ONVIF; CGI; P2P	Day/Night	Color/B/W	
WDR 140 dB  White Balance Yes  Gain Control Auto/Manual  Noise Reduction 3D NR  Motion Detection OFF/ON (4 Areas, rectangular)  Image Rotation 180°  Mirror Yes  Privacy Masking 4 Areas  Audio  Built-in Mic Yes  Built-in Speaker Yes  Two-way talk Yes  Audio Compression G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Yes  Light Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability ONVIF; CGI; P2P  User/Host 2D Rand Api Auto-Auto-Auto-Auto-Auto-Auto-Auto-Auto-	BLC	Yes	
White Balance Yes Gain Control Auto/Manual Noise Reduction 3D NR Motion Detection OFF/ON (4 Areas, rectangular) Image Rotation 180° Mirror Yes Privacy Masking 4 Areas  Audio  Built-in Mic Yes Built-in Speaker Yes Two-way talk Yes Audio Compression 6.711a; G.711Mu; G.726; G.726ASF Alarm  Arming/Disarming Yes Sound Alarm Yes Light Alarm Yes Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network Network RJ-45 (10/100 Base-T) SDK and API Yes Network Protocol TCP/IP; UDP; HTTP; IGMP; ICMP; DHCP; RTP/RTSP; DNS; DDNS; FTP; NTP; PPPOE; UPNP; SMTP Interoperability ONVIF; CGI; P2P User/Host 20 (Total bandwidth: 80 M)	HLC	Yes	
Gain Control Auto/Manual  Noise Reduction 3D NR  Motion Detection OFF/ON (4 Areas, rectangular)  Image Rotation 180°  Mirror Yes  Privacy Masking 4 Areas  Audio  Built-in Mic Yes  Built-in Speaker Yes  Two-way talk Yes  Audio Compression G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Yes  Alarm Yes  Alarm Levent Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network R.4-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP; UDP; HTTP; IGMP; ICMP; DHCP; RTP/RTSP; DNS; DDNS; FTP; NTP; PPPOE; UPNP; SMTP  Interoperability ONVIF; CGI; P2P  User/Host 20 (Total bandwidth: 80 M)	WDR	140 dB	
Noise Reduction 3D NR  Motion Detection OFF/ON (4 Areas, rectangular)  Image Rotation 180°  Mirror Yes  Privacy Masking 4 Areas  Audio  Built-in Mic Yes  Built-in Speaker Yes  Two-way talk Yes  Audio Compression G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Yes  Light Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP; UDP; HTTP; IGMP; ICMP; DHCP; RTP/RTSP; DNS; DDNS; FTP; NTP; PPPOE; UPNP; SMTP  Interoperability ONVIF; CGI; P2P  User/Host 20 (Total bandwidth: 80 M)	White Balance	Yes	
Motion Detection OFF/ON (4 Areas, rectangular)  Image Rotation 180°  Mirror Yes  Privacy Masking 4 Areas  Audio  Built-in Mic Yes  Built-in Speaker Yes  Two-way talk Yes  Audio Compression G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability ONVIF; CGI; P2P  User/Host 20 (Total bandwidth: 80 M)	Gain Control	Auto/Manual	
Image Rotation 180°  Mirror Yes  Privacy Masking 4 Areas  Audio  Built-in Mic Yes  Built-in Speaker Yes  Two-way talk Yes  Audio Compression G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Yes  Light Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability ONVIF; CGI; P2P  User/Host 20 (Total bandwidth: 80 M)	Noise Reduction	3D NR	
Mirror Yes Privacy Masking 4 Areas  Audio  Built-in Mic Yes  Built-in Speaker Yes Two-way talk Yes  Audio Compression G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming Yes  Sound Alarm Yes  Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability ONVIF; CGI; P2P  User/Host 2	Motion Detection	OFF/ON (4 Areas, rectangular)	
Audio  Built-in Mic Yes  Built-in Speaker Yes  Two-way talk Yes  Audio Compression G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP;UDP;HTTP;IGMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability ONVIF; CGI; P2P  User/Host 20 (Total bandwidth: 80 M)	Image Rotation	180°	
Audio  Built-in Mic Yes  Built-in Speaker Yes  Two-way talk Yes  Audio Compression G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP; UDP; HTTP; IGMP; ICMP; DHCP; RTP/RTSP; DNS; DDNS; FTP; NTP; PPPOE; UPNP; SMTP  Interoperability ONVIF; CGI; P2P  User/Host 2  User/Host 2  User/Host 2  User/Host 2  User/Host 2  User/Host 2  Onton Appl Appl Appl Appl Appl Appl Appl App	Mirror	Yes	
Built-in Mic Yes  Built-in Speaker Yes  Two-way talk Yes  Audio Compression G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability ONVIF; CGI; P2P  User/Host 20 (Total bandwidth: 80 M)	Privacy Masking	4 Areas	
Built-in Speaker Yes Two-way talk Yes Audio Compression G.711a; G.711Mu; G.726; G.726ASF Alarm  Arming/Disarming Yes Sound Alarm Yes Light Alarm Yes Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T) SDK and API Yes Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP Interoperability ONVIF; CGI; P2P User/Host 20 (Total bandwidth: 80 M)	Audio		
Audio Compression G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability ONVIF; CGI; P2P  User/Host January G.726ASF  User/Host Ves  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Ves  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network Potocol Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network Protocol RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability ONVIF; CGI; P2P	Built-in Mic	Yes	
Audio Compression G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP; UDP; HTTP; IGMP; ICMP; DHCP; RTP/RTSP; DNS; DDNS; FTP; NTP; PPPOE; UPNP; SMTP  Interoperability ONVIF; CGI; P2P  User/Host 20 (Total bandwidth: 80 M)	Built-in Speaker	Yes	
Alarm Arming/Disarming Yes Sound Alarm Yes Light Alarm Yes Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network Network RJ-45 (10/100 Base-T) SDK and API Yes Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP Interoperability ONVIF; CGI; P2P User/Host 20 (Total bandwidth: 80 M)	Two-way talk	Yes	
Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network  RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability ONVIF; CGI; P2P  User/Host 20 (Total bandwidth: 80 M)	Audio Compression	G.711a; G.711Mu; G.726; G.726ASF	
Sound Alarm Yes  Light Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network  RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability ONVIF; CGI; P2P  User/Host 20 (Total bandwidth: 80 M)	Alarm		
Light Alarm Yes  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP Interoperability ONVIF; CGI; P2P  User/Host 20 (Total bandwidth: 80 M)	Arming/Disarming	Yes	
Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network RJ-45 (10/100 Base-T)  SDK and API Yes  Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP Interoperability ONVIF; CGI; P2P  User/Host 20 (Total bandwidth: 80 M)	Sound Alarm	Yes	
Network  RJ-45 (10/100 Base-T)  SDK and API  Yes  Network Protocol  TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability  ONVIF; CGI; P2P  User/Host  20 (Total bandwidth: 80 M)	Light Alarm	Yes	
Network RJ-45 (10/100 Base-T)  SDK and API  Yes  Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability ONVIF; CGI; P2P  User/Host 20 (Total bandwidth: 80 M)	Alarm Event	Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error	
SDK and API  Yes  Network Protocol  TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability  ONVIF; CGI; P2P  User/Host  20 (Total bandwidth: 80 M)	Network		
Network Protocol  TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  User/Host  ONVIF; CGI; P2P  20 (Total bandwidth: 80 M)	Network	RJ-45 (10/100 Base-T)	
Interoperability ONVIF; CGI; P2P User/Host 20 (Total bandwidth: 80 M)	SDK and API	Yes	
User/Host 20 (Total bandwidth: 80 M)	Network Protocol	TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP	
	Interoperability	ONVIF; CGI; P2P	
Storage FTP; Micro SD card (support max. 256 G/FAT32)	User/Host	20 (Total bandwidth: 80 M)	
	Storage	FTP; Micro SD card (support max. 256 G/FAT32)	

This datasheet is subject to change without prior notice. Please contact us to get the latest datasheet.

## Ultra Al Series | IPC-EF5519M-AS

Browser	IE: IE8 and later; Chrome; Firefox	
Management Software	PC Software(SVMS), APP	
Mobile Client	IOS; Android	
Port		
Audio Input	1 channel (RCA port)	
Audio Output	1 channel (RCA port)	
Alarm Input	1 channel	
Alarm Output	1 channel	
Power		
Power Supply	12V DC (±30%)/PoE (802.3af)	
Power Consumption	Basic: 2.5 W; Max: 5.2W	
Environment		
Operating Conditions	-30°C to +60°C (-22°F to +140°F)/Less than 95% RH	
Storage Conditions	-40°C to +60°C (-40°F to +140°F)	
Protection Grade	IP67	
Structure		
Casing	Metal	
Dimensions	110 mm × Φ122 mm	
Net Weight	670g	

#### **Camera Structure and Dimensions**