## 4MP Smart Dual Light Active Deterrence Dark Killer Ultra Al IPC with R&B LED



- 4MP 1/1.8 CMOS Sensor
- Support H.264+, H.265+
- IR distance 50m, Warm light distance 50m
- Perimeter Protection, Face Detection, SMD, Smart Object Detection,
   People Counting, Video Metadata, Parking Space Detection
- Support Built-in Mic & Speaker
- Support Red and Blue LED 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	4MP, 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 50m, Warm light distance 50m, Red and Blue light	
Illuminator Control	Auto; Manual	
Lens		
Lens Type	Fixed-Focal	
Focal Length	2.8mm/3.6mm/6.0mm	
Max. Aperture	F1.6(F1.0 optional)	
Iris Type	Auto	
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	

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

## Ultra Al Series | IPC-B5412T-AS-FL

Video         Feath H.264H; H.264M; H.264B; H.265 MJPEG (Customization)           Smart Compression         H.264H; H.264M; H.264B; H.265 MJPEG (Customization)           Video Frame Rate         Main stream.4MP@(1-25/30 fps)           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           Gain Control         Auto/Manual           Noise Reduction         3D NR           Molion Detection         OFF/ON (4 Areas, rectangular)           Mirror         Yes           Privacy Masking         4 Areas           Audio         Yes           Built-in Mic         Yes           Buil	Al Search	Work together with NVR
Smart Compression         H.264H+; H.264M+; H.264B+; H.265+           Main stream.4MP@(1-25/30 fps)           Video Frame Rate         Sub stream: D1@(1-25/30 fps)           Stream Capability         3 Streams           Bit Rate Control         CDR/VBR           Video Bit Rate         H.264: up to 16384 kbps           Day/Night         Color/B/W           BIC         Yes           HLC         Yes           HLC         Yes           WDR         140 dB           White Balance         Yes           Gain Control         Auto/Manual           Noise Reduction         30 NR           Motion Detection         OFF/ON (4 Areas, rectangular)           Irrage Rotation         180°           Mirror         Yes           Privacy Masking         4 Areas           Audio         Yes           Built-in Mic         Yes           Built-in Speaker         Yes           Two way talk         Yes           Audio Compression         G.71a; G.711Mu; G.726; G.726ASF           Autin         Yes           Sound Alarm         Yes           Light Alarm         Red and Blue LED light           Alarm Event         Disconnection;	Video	
Video Frame Rate         Sub stream; D1@(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.266: up to 16384 kbps           BILC         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 Mic         Yes           Built-in Speaker         Yes           Two-way talk         Yes           Audio Compression         5.711a; G.711Mu; G.726; G.726ASF           Alarm         Yes           Sound Alarm         Yes           Light Alarm         Red and Blue LED light           Alarm Event         Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error           Network         RJ-45 (10/100	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/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         G.711a; G.711Mu; G.726; G.726ASF           Alarm         Yes           Light Alarm         Red and Blue LED light           Alarm Event         Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error           Network         RJ-45 (10/100 Base-T)           SDK and API	Smart Compression	H.264H+; H.264M+; H.264B+; H.265+
Stream Capability         3 Streams           Stream 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)           Mirror         Yes           Privacy Masking         4 Areas           Audio         Yes           Built-in Mic         Yes           Built-in Mic         Yes           Built-in Spaker         Yes           Two-way talk         Yes           Audio Compression         6.711a; G.711Mu; G.726; G.726ASF           Audio Compression         6.711a; G.711Mu; G.726; G.726ASF           Alarm         Yes           Sound Alarm         Yes           Sound Alarm         Red and Blue LED light           Alarm Event         Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error           Network         RJ-45 (10/100 Base-T)           SDK and API         Yes		Main stream: 4MP@(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 Mic     Yes       Built-in Speaker     Yes       Audio Compression     G.711a; G.711Mu; G.726; G.726ASF       Audio Compression     G.711a; G.711Mu; G.726; G.726ASF       Alarm     Yes       Sound Alarm     Yes       Sound Alarm     Yes       Light Alarm     Red and Blue LED light       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; UPP; SMTP       Interoperability     ONUE; CGI; P2P	Video Frame Rate	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         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         Red and Blue LED light           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; UPPP; SMTP           Noting Fre		Third stream: 1080P(1–25/30 fps)
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 Speaker         Yes           Two-way talk         Yes           Audio Compression         6.711a; G.711Mu; G.726; G.726ASF           Alarm         Yes           Sound Alarm         Yes           Sound Alarm         Yes           Light Alarm         Red and Blue LED light           Alarm Event         Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error           Network         RI-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	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 Mic         Yes           Built-in Speaker         Yes           Two-way talk         Yes           Audio Compression         6.711a; G.711Mu; G.726; G.726ASF           Alarm         Arming/Disarming           Yes         Yes           Sound Alarm         Yes           Light Alarm         Red and Blue LED light           Alarm Event         Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error           Network         RU-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 </td <td>Bit Rate Control</td> <td>CBR/VBR</td>	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           Sound Alarm         Yes           Light Alarm         Red and Blue LED light           Alarm Event         Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error           Network         RU-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; SUTP           Interpoperability         ONVIF, CGI; P2P	Video Pit Pate	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  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  Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Red and Blue LED light  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	video bit Nate	H.265: up to 16384 kbps
HLC 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 Red and Blue LED light Alarm Event Network Network Network RJ-45 (10/100 Base-T) SDK and API Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP Interoperability ONVIF; CGI; P2P	Day/Night	Color/B/W
White Balance Yes Gain Control Auto/Manual Noise Reduction 3D NR Motion Detection 0FF/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 Audio Compression 6,711a; G.711Mu; G.726; G.726ASF Aution  Arming/Disarming Yes Sound Alarm Yes Light Alarm Red and Blue LED light 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	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 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 Red and Blue LED light 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	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 Red and Blue LED light  Alarm Event 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	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 Red and Blue LED light  Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error  Network  Network Ryotocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  Interoperability ONYIF; CGI; P2P	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 Red and Blue LED light  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	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 Red and Blue LED light  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	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 Light Alarm Red and Blue LED light 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	Motion Detection	OFF/ON (4 Areas, rectangular)
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 Red and Blue LED light  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	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 Red and Blue LED light  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	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 Red and Blue LED light  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	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 Revent 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	Audio	
Two-way talk  Audio Compression  G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming  Yes  Sound Alarm  Yes  Light Alarm  Red and Blue LED light  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	Built-in Mic	Yes
Audio Compression G.711a; G.711Mu; G.726; G.726ASF  Alarm  Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Red and Blue LED light  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	Built-in Speaker	Yes
Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Red and Blue LED light  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	Two-way talk	Yes
Arming/Disarming Yes  Sound Alarm Yes  Light Alarm Red and Blue LED light  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	Audio Compression	G.711a; G.711Mu; G.726; G.726ASF
Sound Alarm Yes  Light Alarm Red and Blue LED light  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	Alarm	
Light Alarm Red and Blue LED light  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	Arming/Disarming	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	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	Light Alarm	Red and Blue LED light
NetworkRJ-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTPInteroperabilityONVIF; CGI; P2P	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	Network	
Network Protocol TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP  ONVIF; CGI; P2P		RJ-45 (10/100 Base-T)
Interoperability ONVIF; CGI; P2P	SDK and API	Yes
	Network Protocol	TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP
User/Host 20 (Total bandwidth: 80 M)	Interoperability	ONVIF; CGI; P2P
	User/Host	20 (Total bandwidth: 80 M)

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

## Ultra Al Series | IPC-B5412T-AS-FL

Storage	FTP; Micro SD card (support max. 256 G/FAT32)	
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	224 mm × 77mm × 76mm	
Net Weight	750g	

## **Camera Structure and Dimensions**

