## 8MP Smart Dual Light Active Deterrence Pro Al Vari-Focal IPC with R&B LED



- 8MP 1/2.7" CMOS Sensor
- Support H.264+, H.265+
- IR distance 50m, Warm light distance 50m
- Perimeter Protection, Face Detection, SMD, Smart Object Detection, People Counting
- Support Built-in Mic & Speaker
- Support Red and Blue LED Alarm, Sound Alarm, Arm and Disarm
- Supports max. 256 G Micro SD card
- 2.7 mm–13.5 mm 5x zoom lens
- 12 VDC/PoE power supply
- IP67 protection

Camera		
Image Sensor	1/2.7" CMOS	
Max. Resolution	8MP,3840 (H) × 2160 (V)	
Scanning System	Progressive	
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s	
Min. Illumination	0.007Lux(Color); 0.0007Lux (B/W); 0Lux (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	Motorized Vari-Focal	
Focal Length	2.7 mm–13.5 mm	
Max. Aperture	F1.6	
Field of View	Horizontal: 109°–30° Vertical: 56° –17° Diagonal: 131° –35°	
Iris Type	Auto	
Intelligence		
Smart Motion Detection	Yes	
Perimeter Protection	Intrusion, Tripwire (Support the classification of Vehicle, Human and Non-Motor)	
Face Detection	Yes	
People Counting	Yes	
Heat Map	Yes	
Video Metadata	NA	
Al Search	Work together with NVR	
Video		
Compression	H.264H; H.264M; H.264B; H.265	

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

## Pro Al Series | IPC-B3821E-ZAS-FL

Smart CompressionIL264IH; II.264H; II.264H; II.265+Main Stream: BMP (1 fps-25 fps)Video Frame RateSub Stream: D1 (1 fps-25/30 fps)Third Stream: ZD0 (1 fps-25/30 fps)Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateCBR/VBRH264: S Kbps-20480 KbpsH264: S Kbps-20480 KbpsH264: S Kbps-20480 KbpsH264: S Kbps-20480 KbpsDay/NightColor/#/WBICYesH1CYesWDR120 dBWDR120 dBWolfAuto/ManualNoise Reduction30 NRNoise ReductionOFF/ON (4 Areas, rectangular)MitroYesPrivacy MaskingYesPrivacy MaskingYesBuilt-In SpeakerYesAuto-CompressionC5/11al; G.711Mu; G.726; G.726ASFAumYesSound AlarmYesSound AlarmYesNetworkR 4ds and Blue IED lightAlarm EventNo Sconaccing; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkR 4ds (10/100 Base T)Network ProtocolTC/PIP:UDP;HTTP;GMP;CP:RTP;RTSP;DNS;DDNS;FTP;NTP;PIP:PIP:PIP:PIP:PIP:PIP:PIP:PIP:PIP:PI	Hain Stream: SMP (1 fps-25 / sp.)   Yielde Frame Rate Sub Stream: D1 (1 fps-25 / 30 fps.)   Terram Capability Stream: 720P (1 fps-25 / 30 fps.)   Stream Capability Streams: 720P (1 fps-25 / 30 fps.)   Bit Rate Control CBR/VBR   Hate Control CBR/VBR   1:26: 3 Kbps-20480 Kbps i:26: 3 Kbps-20480 Kbps   Day/Nght Color/B/W   Day/Nght Color/B/W   BLC Vs   Day Ys   Vite Balance Ys   Vite Balance Ys   Noise Reduction Stream: cataguainy   Morion Detection OF/ON (4 Areas, rectangular)   Morion Detection CPS/ON (4 Areas, rectangular)   Mirror Ys   Bull-In Mice Ys   Rolin Detection Stream: Cataguainy   Bull-In Mice Ys   Rolin Gammain Ys   Bull-In Mice Ys   Auto: Compression CAtaguain   Stream: Data Compression CAtaguain   Stream: Data Compression CAtaguain   Stread C			
Yeleo Frame RateSub Stream: D1 (1 fps-25/30 fps) Tind Stream: 720P (1 fps-25/30 fps)Stream Capability3 StreamsBit Rate ControlCBR/VBRH26e Bit RateR264:3 Kbps-20480 KbpsJudeo Bit RateKase-20480 KbpsDay/NightColor/B/WBLCYesWOR12.0 d/BWhite BalanceYesGain ControlAuto/ManualNoise ReductionOFF/ON (4 Areas, rectangular)Image Rotation180°MitrorYesMultion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°Sull-In SpeakerYesSull-In SpeakerYesAudio Compression6,711a; G.711Mu; G.726; G.726ASFAudio Compression6,711a; G.711Mu; G.726; G.726ASFAutarYesSund AlarmYesSund AlarmYesSund AlarmYesSund AlarmYesSund AlarmYesSund AlarmYesSund AlarmYesNetwork ProtocolFL/PUDP;HTTP:/GMP;CMP;DHCP;BTP;RTSP;DNS;DDNS;FTP;NTP;PPPOF;UPNP;SMTPInteroperabilityONIF; CG; P2PUstorage10; Viter SD card (support max. 256 G/FAT32)	<table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-row><table-row><table-row><table-container><table-container><table-container><table-row><table-row><table-row><table-container><table-container><table-container><table-row><table-row><table-row><table-row></table-row></table-row></table-row></table-row></table-container></table-container></table-container></table-row></table-row></table-row></table-container></table-container></table-container></table-row></table-row></table-row></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container>	Smart Compression	H.264H+; H.264M+; H.264B+; H.265+	
Inite Stream: 720P (1 fps-25/30 fps)Stream Capability3 StreamsBit Rate ControlCBR/VBRH264: 3 Kbps-20480 KbpsH268: 3 Kbps-20480 KbpsH268: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise ReductionOFF/ON (4 Areas, rectangular)Image Rotation180°MitrorYesPrivacy Masking4 AreasAudioYesSuith-in MicYesBuilt-in MicYesAudio Compression6,711a; G.711Mu; G.726; G.726ASFAudio CompressionRef and Blue LED lightAlarmYesSound AlarmYesSuith AlarmRed and Blue LED lightAlarmRef and Blue LED lightAlarmYesNetwork RotaRI-15(1)/100 Base-T)Network RotaG.145(10/100 Base-T)Network RotaG.	Hird Stream: 200P (1 fips-25/30 fps)Stream CapabilityStreamsBit Rate ControlGR/VBR $1$ L64: 3 kbps-20480 kbps $1$ L64: 3 kbps-20480 kbpsDayNightClor/B/WBLCVesBLCVesHLCVesMine BalanceVesGair ControlAto/ManualMine BalanceVesMine BalanceVesMine DataConfl/ManualMotion DetectionGr/F/ON (4 Areas, rectangular)Mine MatherVesMiner MatherStressen CapabilityMiner MatherVesMiner MatherVesMiner MatherStressen CapabilityMiner MatherVesMiner MatherVesMiner MatherVesMiner MatherVesMiner MatherVesMiner MatherVesMather MatherVesMiner MatherVesMather MatherVesMather MatherVesMather MatherVesMather MatherVesMather MatherVesMather MatherVesMather MatherVesMather MatherVesMather Mather MatherVesMather Mather MatherVesMather Mather MatherVesMather Mather MatherVesMather Mather MatherVesMather Mather Mather MatherVesMather Mather Mather Mather MatherVesMather Mather Mather MatherVes	Video Frame Rate	Main Stream: 8MP (1 fps–25 fps)	
Stream Capability3 StreamsBit Rate ControlCBR/VBRH264: 3 Kbps-20480 KbpsH265: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR20 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOF/ON (4 Areas, rectangular)Image Rotation3D NRMotion DetectionOF/ON (4 Areas, rectangular)Image Rotation3D NRAuto/ManualMotion DetectionOF/ON (4 Areas, rectangular)Image Rotation3D*Bult-in MicYesSult-in MicYesAutoin CompressionA:TIA: G.7126; G.726ASFAutoin CompressionS:TIA: G.711MU; G.726; G.726ASFAutor CompressionS:TIA: G.711MU; G.726; G.726ASFAuting Closennetion; IP Conflict; NSD Card; Capacity Warning; SD Card ErrorAutarYesSound AlarmYesAutar CompressionG:414G(100 Base: T)Sound AlarmYesNetwork ProtocolTCP/IP.UDP.HTTP;IGMP.JCMP.PD.PC.PT.PT.PT.PT.PT.PT.PT.PT.PT.PT.PT.PT.PT.	<table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-container><table-row><table-row><table-row><table-row><table-container><table-container><table-container><table-container><table-row><table-row><table-row><table-row><table-container><table-container><table-container><table-container></table-container></table-container></table-container></table-container></table-row></table-row></table-row></table-row></table-container></table-container></table-container></table-container></table-row></table-row></table-row></table-row></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container></table-container>		Sub Stream: D1 (1 fps-25/30 fps)	
Bit Rate ControlCBR/VBRVideo Bit RateH.266: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCVasHLCYesVDR120 dBVDR120 dBVolte BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 areasAution SpeakerYesBuilt-in MicYesBuilt-in SpeakerYesAudio Compression6.711140; G.726; G.726ASFAurentYesSound AlarmYesSound AlarmYesSound AlarmYesAuring/DisarmingYesSound AlarmYesNamerentSound Blue LED lightAurent VerYesNetworkYesNetwork ProtocolGP/PJUDP;HTTP;IGMPJICP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTPInteroperabilityONVF; CG; P2PUser/HostQ(Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Bit Rate ControlCBR/VBRH264:3 Kbps-20480 KbpsH255:3 Kbps-20480 KbpsDay/NghtColor/B/WBLCVsHLCVsWDR20 dBWDR20 dBWolfe BalanceVsGoir ControlAtto/ManualNoise ReductionDF/FON (Areas, rectangular)Motion DetectionOF/FON (Areas, rectangular)MirrorVsPrivacy Mashing4 AreasMulti NikeSolSulli In MicVsBulli In MicVsMulti Age Rectangular)SolMulti NikeSolMulti Age Rectangular)SolMulti NikeVsMulti NikeVsMulti NikeVsMulti SpeakerSolMulti SpeakerSolMulti SpeakerSolSound AlarmVsNoneonetoni JP Conflict SpeakerSolNetworkAcad Ble LED lightSound AlarmSolNetworkSolNetworkSolNetworkSolNetworkSolNetwork ProtocolSolNetwork ProtocolSolNetwork ProtocolSolNetwork ProtocolSolSol AdaPiSolSol AdaPiSolSol CotageSolSol AdapiSolSol CotageSolSol CotageSolSol CotageSolSol CotageSolSol CotageSolSol Cotage </td <td>Third Stream: 720P (1 fps-25/30 fps)</td>		Third Stream: 720P (1 fps-25/30 fps)	
H264: 3 Kpbs=20480 KbpsH265: 3 Kpbs=20480 KbpsDay/NightColor/B/WBLCVesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMetion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasBuilt-in MicYesBuilt-in MicYesBuilt-in SpeakerYesSound AlarmYesAudoorCritico Cartico C	H264: 3 Kbps-20480 KbpsH264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCColor/B/WBLCYesHLCYesVDR120 dBWithe BalanceYesGain ControlAuto/ManualNoise ReductionOFF/ON (A reas, rectangular)MirorDo RPrivacy Masing4/reasAutorYesSulti-In MiceYesBuilt-In MiceYesBuilt-In MiceYesBuilt-In MiceYesSulti-In MiceYesBuilt-In MiceYesSulti-In MiceYesAutorYesSulti-In MiceYesAuto-Compression6.71140; C.726; G.726ASFAutorYesSund AlarmYesSund AlarmYesSund AlarmRelance(In; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkR44 (10/100 Base-T)Network Potocol1CP/JPUP;HTTP;IGMP;ICP;RTP/RTSP;DNS;DINS;FTP;HTP;PPOE;UPNP;SMTPInteroperabilityQi Cital bandwidth: 80 M)KitorgeIP; Micro SD card (support max, 256 G/FAT32)FrowserII: IE Band Liter; Chrone; Firefox	Stream Capability	3 Streams	
Video Bit Rate1.265: 3 kbps=20480 kbpsDay/NightColor/B/WBLCVesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasBuilt-in MicYesBuilt-in MicYesBuilt-in SpeakerYesSound Compression6.7111/u; G.726; G.726ASFAudioYesSound AlarmYesLight AlarnRed and Blue LED lightAlarn EventJisoonection; IN Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRel 5.10100 Base-T)Solx and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DPCP;RTP;RTSP;DNS;DDNS;FTP;NTP;PPOPE;UPNP;SMTPInteroperabilityONVIF; CG; P2PUser/HostQ (Total bandwidth: 80 M)StrageFP; Micro SD Card (support max. 256 G/FAT32)	Video Bit RateL265: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCVesHLCYesWDR20 dBWite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation200°MirorYesPrivacy Masking4 AreasBuilt-In MicYesBuilt-In MicYesBuilt-In MicYesBuilt-In MicYesAudio Compression6/11/Li, C.7116/Li, G.726/ASFAudio CompressionAcrial Control (16 Control)Audio CompressionYesSound AlarnYesIngity SamingYesAudia CompressionConcection; PC Onflict; No SD Card; Capacity Warning; SD Card ErrorNetworkYesNetworkYesNetworkYesNetwork ProtocolICPI/JUPP./ITTP./GMP./ICP.RTP.RTSP./DNS./DDNS./ETP./ITTP.PEPOE./UPN.PS.MTPNetwork ProtocolICPI/JUPP./ITTP./GMP./ICP.RTP.RTSP./DNS./DDNS./ETP./ITTP.PEPOE./UPN.PS.MTPNetwork ProtocolICPI/JUPP./ITTP./GMP./ICP.RTP.RTSP./DNS./DDNS./ETP./ITTP.PEPOE./UPN.PS.MTPNetwork ProtocolICPI/JUPP./ITTP./GMP./ICP.RTP.RTSP./DNS./DDNS./ETP./ITTP.PEPOE./UPN.PS.MTPNetwork ProtocolICPI/JUPP./ITTP./GMP./CMP.PIDI.CP.RTP.RTSP./DNS./DDNS./ETP./ITTP.PEPOE./UPN.PS.MTPNetwork ProtocolICPI/JUPP./ITTP./GMP./CMP.PIDI.CP.RTP.RTSP./DNS./DDNS./ETP./ITTP.PEPOE./UPN.PS.MTPNetwork ProtocolICPI/JUPP./ITTP./GMP./CMP.PIDI.CP.RTP.RTSP./DNS./DDNS./ETP./ITT	Bit Rate Control	CBR/VBR	
IndexingBitCineColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 reasBuilt-in SpeakerYesSuilt-in MicYesAudio Compression6.711a; G.711Mu; G.726; G.726ASFAudio Compression100 Sconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorItigh AlarmYesLight AlarmRed and Blue LED lightAlarm EventIsconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkR-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolTCP/IP:UDP;HTTP;GMP;ICMP;DEP;MTP;APEPODE;UPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageTFP; Micro SD card (support max. 256 G/FAT32)	Inspace Inspace   Bi2/Night Color/B/W   BLC Ves   HLC Ves   HLC Ses   VDR 20.08   With Balance Ves   Gain Control Aud/Manual   Noise Reduction Ses   Morino Petection OF/F/ON (Areas, rectangular)   Morino Petection Ses   Miror Area   Miror Area   Audio Ses   Multin Mice Ves   Built-In Speaker Ves   Audio Compression Area   Audio Compression Ses   Sund Alarm Ves   Aura Ses   Sund Alarm Ses   Network Pate Area   Network Ses   Sund Alarm Ses   Network Ses   Sund Alarm	Video Bit Rate	H.264: 3 Kbps–20480 Kbps	
BLCYesHLCYesVDR20 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasBuilt-in MicYesBuilt-in SpeakerYesYou yang talkYesAudio Compression6.711a; G.711Mu; G.726; G.726ASFArming/DisarmingYesSound AlarmYesLight AlarmNes DE Card; Capacity Warning; SD Card ErrorNetworkRed and Blue LED lightAlarm EventJoconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRed 10/100 Base-T)SDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTPInteroperabilityONVIF; CGi; P2PUser/Host20 (Total bandwidth: 80 M)StorageTF; Micros D Card (support max. 256 G/FAT32)	No.BCYesHICYesWDR20 dBWhite BalanceYesGain ControlAtu/ManualNoise ReductionDNRMotion DetectionOF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasBuilt-in MicYesBuilt-in SpeakerYesBuilt-in SpeakerYesAutoYesAutoYesAutoYesAutoYesAutoYesMurorSeAutoSeAutoYesNetworkNet Sel AutoAutoYesNetworkYesAutoYesAutoYesAutoYesAutoYesAutoYesAutoYesAutoYesAutoYesAutoYesAutoYesAutoYes <tr< td=""><td>VIGEO DIL NALE</td><td>H.265: 3 Kbps–20480 Kbps</td></tr<>	VIGEO DIL NALE	H.265: 3 Kbps–20480 Kbps	
HICYesWDR10 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation80°MirrorYesPrivacy Masking4 AreasAutoYesBult-in MicYesBult-in MicYesBult-in SpeakerYesAutoSolandardiAuto-Compression6.711A/0; G.726; G.726ASFAutionYesSound AlarmYesSound AlarmYesLight AlarnRed and Blue LED lightAure KevertYesNetworkR.445 (10/100 Base-T)Sutand APIYesNetwork ProtocolTCP/IP:/UPP.HTTP:/GMPP.JCMP.PTP.PT.NTP.PDNS.JDDNS;FTP.NTP.PDPE.JUPP.PS.MTPInteroperabilityONVIF; CG; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP. Micro SD Card (support max. 256 G/FAT32)	HCYesVDR20 dBWhite BalanceYesGain ConrolAuto/ManualNoise ReductionD NRMotion 2000 (F/ON (4 Areas, rectangular)Image Rotation0 F/F/ON (4 Areas, rectangular)MirrorVesVariange Matsing4 AreasPrivacy MaskingVesBuilt-in MiceYesBuilt-in MiceYesBuilt-in SpeakerYesAutoYesYuo-way talkYesAutoYesAutoYesAutoYesAutoYesAutoScallent, Scallent, Scallen	Day/Night	Color/B/W	
WDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAutoYesBuilt-in MicYesBuilt-in SpeakerYesYou-way talkYesAutoSolita G.711Mu; G.726; G.726ASFAutonYesAutonYesSound AlarmYesSound AlarmYesAutonYesSound AlarmYesAuton Disconction; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkR44 and Blue LED lightAuton Disconction; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkYesNetworkYesNetwork ProtocolTCP/IP:JUDP;HTTP;IGMP;DICP;RTP/RTSP;DINS;DDNS;FTP;MTP;PPDFQ:JUPNP;SMTPInteroperabilityQIVIF; CG; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD Card (support max, 256 G/FAT32)	NDRI20 dBWhite BalanceYesGain ControlAuto/ManualNoise ReductionD NRMotion DetectionOF/FON (A Areas, rectangular)Image Rotation180°MirrorYesPrivacy MaskingYesBuilt-in MicYesBuilt-in MicYesBuilt-in SpeakerYesAutoYesYurow yatalkYesAutoYesAutoSol Call Sch Zick	BLC	Yes	
White BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAutionYesBuilt-in MicYesBuilt-in MicYesBuilt-in SpeakerYesAudio Compression6.711a; G.711Mu; G.726; G.726ASFAudio Compression6.711a; G.711Mu; G.726; G.726ASFAurming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRel-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolTCP/IyUDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 25G G/FAT32)	White BalanceYesGain ControlAuto/ManualNoise ReductionJD NRMotion DetectionOFF/ON (4 Areas, rectangular)Image RotationB0°Mirror80°MirrorYesPrivacy Masking4 AreasAutoYesBuilt-in MicYesBuilt-in SpeakerYesAuto CompressionG71a; G.711Mu; G.726; G.726ASFAutoYesAuton CompressionSolonetton; P. Cong, C. Stages, C.	HLC	Yes	
Gain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorVesPrivacy Masking4 AreasAuto/YesBuilt-in MicYesBuilt-in MicYesBuilt-in SpeakerYesAudio Compression6.7113 (G.711Mu; G.726; G.726ASFAudio Compression6.7113 (G.711Mu; G.726; G.726ASFAuring/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRI-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolTCP/I:JDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Gain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOF/ON (4 Areas, rectangular)Image Rotation180°MirrorVesPrivary Masking4 AreasAutoVesBuilt-in MicYesBuilt-in SpeakerYesAuto Compression6.711140; G.726; G.726ASFAutoYesAuton CompressionYesAuton CompressionYesSound AlarmYesAuton CompressionYesAuton CompressionYesSound AlarmYesAuton CompressionYesAuton CompressionYesAuton CompressionYesSound AlarmYesAuton CompressionYesAuton CompressionYesAuton CompressionYesSound AlarmYesNetworkNets(Difter, No SD Card; Capacity Warning; SD Card ErrorNetworkYesNetwork ProtocolYesNetwork ProtocolYesNetwork ProtocolYesNetwork ProtocolYesNetwork ProtocolYes </td <td>WDR</td> <td>120 dB</td>	WDR	120 dB	
Noise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAudioBuilt-in MicYesBuilt-in SpeakerYesYoway talkYesAudio compressionG.711a; G.711Mu; G.726; G.726ASFAuring/DisarmingYesSound AlarmYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRI-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPOE;UPNP;SMTPInteroperabilityONVIF; CG; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Noise ReductionNRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorVesPrivacy Masking4 AreasAutionYesBuilt-in MicYesBuilt-in SpeakerYesYou-way talkYesAutio Compression6.71114/; G.726; G.726ASFAutin OperationYesAuting DisarmingYesAuting DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAutar EventJosonnection; PC Oreflict; No SD Card; Capacity Warning; SD Card ErrorNetworkAl-45 (10/100 Base-T)Network ProtocolTe/Pi/UDP/HTTP;GMP;DHCP;RTP/RTSP;DDNS;FTP;NTP;PPDE;UPNP;SMTPInteroperabilityONVIF; CG; P2PUser/HostTict Ibandwidth: 80 M)StorageFP: Micro SD card (support max, 256 G/FAT32)BrowserE: E8 and later; Chrome; Firefox	White Balance	Yes	
Motion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorVesPrivacy Masking4 AreasAudioBuilt-in MicYesBuilt-in SpeakerYesYoway talkYesAudio compressionG.711a; G.711Mu; G.726; G.726ASFAuring/DisarmingYesSound AlarmYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkR-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPOE;UPNP;SMTPInteroperabilityONVIF; CGi; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Motion DetectionOFF/ON (4 Areas, rectangular)Image Rotation80°MirrorVesPrivacy Masking4 AreasAutioAutioBuilt-in MicYesBuilt-in SpeakerYesAudio Compression6.711a (G.711Mu; G.726; G.726ASFAudio Compression6.711a; G.711Mu; G.726; G.726ASFAuring/DisarningYesSound AlarnYesLight AlarnRed and Blue LED lightArming/DisarningSiconection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkVesNetworkGV1/10/0 Base-T)Stofand APIYesNetwork ProtocolCP/IP/JDP/HTTP/JGMP;IDHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPOE;JUPNP;SMTPInteroperabilityONVIF; CGi; P2PUser/Host20 (Total bandwidth: 80 M)StorageFt? Micro SD card (support max. 256 G/FAT32)BrowserEi: Els and later; Chrome; Firefox	Gain Control	Auto/Manual	
Image Rotation180°MirrorYesPrivacy Masking4 AreasAudioBuilt-in MicYesBuilt-in SpeakerYesYesAudio CompressionG.711a; G.711Mu; G.726; G.726ASFAudio CompressionG.711a; G.711Mu; G.726; G.726ASFAurning/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRJ-51(J0100 Base-T)SDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTPR,ISP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Image Rotation180°MirrorYesPrivacy Masking4 AreasAutioAutioBuilt-in MicYesBuilt-in SpeakerYesTwo-way talkYesAudio CompressionG.71a; G.71a G.72a G.72a GASFAuring/DisarmingYesSound AlarmYesLight AlarmYesAdarm EventJoconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkR45 (10/100 Base-T)Sound AlarnSeSOK and APIYesNetwork ProtocolCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPOE;UPNP;SMTPInteroperabilityONVIF; CG; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)BrowserEit E8 and later; Chrome; Firefox	Noise Reduction	3D NR	
MirrorYesPrivacy Masking4 AreasAudioAudioBuilt-in MicYesBuilt-in SpeakerYesAudio Compression6.711a; G.711Mu; G.726; G.726ASFAudio Compression6.711a; G.711Mu; G.726; G.726ASFAudio CompressionYesArming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRI-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; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	MirrorVesPrivacy Masking4 AreasAutioAutionVesBuilt-in MiceVesBuilt-in SpeakerVesAudio Compression6.7113(G.711Mu; G.726; G.726ASFAudio Compression6.7113(G.711Mu; G.726; G.726ASFArming/DisarmingVesArming/DisarmingVesSound AlarmVesLight AlarmRed and Blue LED lightAutor EventVesNetworkVesNetworkVesNetworkVesSound AlarlVesNetworkVesNetworkVesNetwork Protocol01010 Base-T)Suband AlarlVesSuband AlarlVesNetwork Protocol01019 Compristion Pict/Pict/Pict/Pict/Pict/Pict/Pict/Pict/	Motion Detection	OFF/ON (4 Areas, rectangular)	
Privacy Masking4 AreasAudioAudioBuilt-in MicYesBuilt-in SpeakerYesAudio Compression6.711a; G.711Mu; G.726; G.726ASFAudio Compression6.711a; G.711Mu; G.726; G.726ASFAurming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRJ-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPDE;UPNP;SMTPFInteroperability0NVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Privacy Masking4 AreasAutioAutioBuilt-in MicYesBuilt-in SpeakerYesTwo-way talkYesAutio CompressionG.711a; G.711Mu; G.726; G.726ASFAutio CompressionG.711a; G.711Mu; G.726; G.726ASFAuring/DisarningYesSound AlarmYesLight AlarmRed and Blue LED lightAdarn EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkYesNetworkYesNetwork ProtocolGr/JP; JDP; HTTP; IGMP; ICMP; PLP; PTP; SP, SDDNS; FTP; NTP; PPPOE; JUPNP; SMTPInteroperabilityQ.10tal bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)BrowserELE Band later; Chrome; Firefox	Image Rotation	180°	
AudioBuilt-in MicYesBuilt-in SpeakerYesTwo-way talkYesAudio CompressionG.711a; G.711Mu; G.726; G.726ASFAlarmG.711a; G.711Mu; G.726; G.726ASFAurning/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRI-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; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	AudioAudioBuilt-in MicBuilt-in SpeakerVesTwo-way talkVesAudio CompressionG.711a; G.711Mu; G.726; G.726ASFAurmArming/DisarmingVesSound AlarmVesSound AlarmVesAurm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRet and Blue LED lightNetworkSound AlPIVesNetwork ProtocolTCP/IP;JDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;JUPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/HostStorageFTP; Micro SD card (support max. 256 G/FAT32)BrowserIt: El8 and later; Chrome; Firefox	Mirror	Yes	
Built-in MicYesBuilt-in SpeakerYesTwo-way talkYesAudio CompressionG.711a; G.711Mu; G.726; G.726ASFAlarmXarming/DisarmingYesYesSound AlarmYesSound AlarmYesIght AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRI-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; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Built-in MicYesBuilt-in SpeakerYesTwo-way talkYesAudio CompressionG.711At; G.726; G.726ASFAurmXesArming/DisarmingYesSound AlarmYesSound AlarmRed and Blue LED lightAlarm EventBicsonection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkYesNetworkSesNetworkStaf (Jn100 Base-T)Network ProtocolYesNetwork ProtocolCh/Pi; DDP; HTTP; IGMP; ICMP; DTP; PDTP; DTP; DTP; PDTP; JDTP; JDTP	Privacy Masking	4 Areas	
Built-in SpeakerYesTwo-way talkYesAudio CompressionG.711a; G.711Mu; G.726; G.726ASFAuring/DisarmingYesArming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRI-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPDG;UPNP;SMTPInteroperabilityONVIF; CG; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Built-in SpeakerYesFwo-way talkYesAudio CompressionG.7113 G.711Mu; G.726 G.726 ASFAudio CompressionG.7113 G.711 Mu; G.726 G.726 ASFAlarmYesArming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventJoconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkR-45 (10/100 Base-T)NetworkSesNetwork ProtocolYesInteroperabilityOVIF; CG; P2PUser/Host20 (Total bandwidth: 80 M)StorageFP; Micro SD card (support max. 256 G/FAT32)BrowserIe: E8 and leter; Chrome; Firefox	Audio		
Two-way talkYesAudio CompressionG.711a; G.711Mu; G.726; G.726ASFAlarmAlarmArming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRI-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPDE;UPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Two-way talkYesAudio Compression6.711a; G.711Mu; G.726; G.726ASFAlarmAlarmArming/DisarningYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkR-45 (10/100 Base-T)Sok and APIYesNetwork ProtocolCP/IP; UDP; HTTP; IGMP; ICMP; DHCP; RTP/RTSP; DNS; DDNS; FTP; NTP; PPPOE; UPNP; SMTPInteroperability0NVIF; CG; P2PUser/HostTP, Micro SD card (support max. 256 G/FAT32)Storageii: E8 and later; Chrome; Firefox	Built-in Mic	Yes	
Audio CompressionG.711a; G.711Mu; G.726; G.726ASFAlarmYesArming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRI-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; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Audio Compression6.711a; G.711Mu; G.726; G.726ASFAlarmAlarmArming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkYesSDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTPInteroperabilityONVIF; CG; P2PUser/HostFTP; Micro SD card (support max. 256 G/FAT32)StorageEi: E8 and later; Chrome; Firefox	Built-in Speaker	Yes	
AlarmArming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRI-45 (10/100 Base-T)NetworkRJ-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPOE;UPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	AlarmArming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkNetworkNetworkR-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DDNS;DTDNS;FTP;NTP;PPPOE;UPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/HostFTP; Micro SD card (support max. 256 G/FAT32)BrowserE: IE8 and later; Chrome; Firefox	Two-way talk	Yes	
Arming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkNetworkNetworkRJ-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; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Arming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkNetworkNetworkSolonaction; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorSDK and APIRef Solonace, Topper, SD, Sprp; NTP; NTP; PPOE; UPNP; SMTPInteroperabilityONVIF; CG; P2PUser/HostStorageStorageTP; Micro SD card (support max. 256 G/FAT32)BrowserEi LE8 and later; Chrome; Firefox	Audio Compression	G.711a; G.711Mu; G.726; G.726ASF	
Sound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkNetworkNetworkRJ-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; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Sound AlarmYesLight AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRJ-45 (10/100 Base-T)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; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)BrowserIE: IE8 and later; Chrome; Firefox	Alarm		
Light AlarmRed and Blue LED lightAlarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkNetworkNetworkRJ-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; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Light AlarmRed and Blue LED lightAlarm EventJosconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkNetworkNetworkRJ-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPDE;UPNP;SMTPInteroperabilityONVIF; CG; P2PUser/HostC1 total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)BrowserLi E8 and later; Chrome; Firefox	Arming/Disarming	Yes	
Alarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRJ-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; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Alarm EventDisconnection; IP Conflict; No SD Card; Capacity Warning; SD Card ErrorNetworkRl-45 (10/100 Base-T)NetworkRJ-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPOE;UPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)BrowserIE: IE8 and later; Chrome; Firefox	Sound Alarm	Yes	
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; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	NetworkNetworkRJ-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; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)BrowserI: 188 and later; Chrome; Firefox	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; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	NetworkRJ-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DDNS;FTP;NTP;PPDE;UPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)BrowserI: 1E8 and later; Chrome; Firefox	Alarm Event	Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error	
SDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	SDK and APIYesNetwork ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)BrowserIE: IE8 and later; Chrome; Firefox	Network		
Network ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	Network ProtocolTCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTPInteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)BrowserIE: IE8 and later; Chrome; Firefox	Network	RJ-45 (10/100 Base-T)	
InteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	InteroperabilityONVIF; CGI; P2PUser/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)BrowserIE: IE8 and later; Chrome; Firefox	SDK and API	Yes	
User/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)	User/Host20 (Total bandwidth: 80 M)StorageFTP; Micro SD card (support max. 256 G/FAT32)BrowserIE: IE8 and later; Chrome; Firefox	Network Protocol	TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP	
Storage FTP; Micro SD card (support max. 256 G/FAT32)	StorageFTP; Micro SD card (support max. 256 G/FAT32)BrowserIE: IE8 and later; Chrome; Firefox	Interoperability	ONVIF; CGI; P2P	
	Browser IE: IE8 and later; Chrome; Firefox	User/Host	20 (Total bandwidth: 80 M)	
Browser IE: IE8 and later: Chrome: Eirefox		Storage	FTP; Micro SD card (support max. 256 G/FAT32)	
	Management Software PC Software(SV/MS) APP	Browser	IE: IE8 and later; Chrome; Firefox	
	inianagement Jultware re Jultware(JviviJ), Arr			

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

## Pro Al Series | IPC-B3821E-ZAS-FL

Mobile Client	IOS; Android	
Port		
Audio Input	NA(1 channel optional)	
Audio Output	NA(1 channel optional)	
Alarm Input	NA(1 channel optional)	
Alarm Output	NA(1 channel optional)	
Power		
Power Supply	12V DC (±30%)/PoE (802.3af)	
Power Consumption	Basic: 2.5 W; Max: 6.2W	
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	244 mm × 77mm × 76mm	
Net Weight	830g	

## **Camera Structure and Dimensions**





