5MP Smart Dual Light Active Deterrence Pro Al Vari-Focal IPC with R&B LED



- 5MP 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	5MP, 2880 (H) × 1620 (V)	
Scanning System	Progressive	
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s	
Min. Illumination	0.001Lux(Illuminator off); 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: 99°–28° Vertical: 71°–21° Diagonal: 134°–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-B3511E-ZAS-FL

H.264H+; H.264M+; H.264B+; H.265+ Main Stream: 5MP (1 fps-25/30 fps)	Smart Compression H.264H+; H.264M+; H.264B+; H.265+			
		Count Commencial H2CANA, H2CANA, H2CANA, H2CANA	Smart Compression	H.264H+; H.264M+; H.264B+; H.265+
Sub Stroom, D1 /1 fpc, 25 /20 fpc)	Main Stream: 5MP (1 fps–25/30 fps)	Smart Compression H.264H+; H.264W+; H.264B+; H.265+	Video Frame Rate	Main Stream: 5MP (1 fps-25/30 fps)
300 3(1eaii. D1 (1 ips=25/30 ips)	Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps)			Sub Stream: D1 (1 fps-25/30 fps)
Third Stream: 720P (1 fps-25/30 fps)		Main Stream: 5MP (1 fps-25/30 fps)		Third Stream: 720P (1 fps–25/30 fps)
3 Streams	Third Stream: 720P (1 fps-25/30 fps)	Main Stream: 5MP (1 fps-25/30 fps) Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps)	Stream Capability	3 Streams
CBR/VBR		Main Stream: 5MP (1 fps-25/30 fps) Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps)	Bit Rate Control	CBR/VBR
	Stream Capability 3 Streams	Main Stream: 5MP (1 fps-25/30 fps) Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams	Video Rit Rate	H.264: 3 Kbps-20480 Kbps
H.264: 3 Kbps–20480 Kbps	Stream Capability 3 Streams Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps	Main Stream: 5MP (1 fps-25/30 fps) Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps	Video bit Nate	H.265: 3 Kbps-20480 Kbps
	Stream Capability Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps Video Bit Rate	Main Stream: 5MP (1 fps-25/30 fps) Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps	Day/Night	Color/B/W
H.265: 3 Kbps–20480 Kbps	Stream Capability Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps	Main Stream: 5MP (1 fps-25/30 fps) Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps	BLC	Yes
H.265: 3 Kbps–20480 Kbps Color/B/W	Stream Capability Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W	Wain Stream: 5MP (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W	HLC	Yes
H.265: 3 Kbps–20480 Kbps Color/B/W Yes	Stream Capability Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W Streams Streams CBR/VBR CONTRONT	Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes	WDR	120 dB
H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes	Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYes	Video Frame RateMain Stream: 5MP (1 fps-25/30 fps)Sub Stream: D1 (1 fps-25/30 fps)Third Stream: 720P (1 fps-25/30 fps)Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYes	White Balance	Yes
H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes 120 dB	Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dB	Video Frame Rate Sub Stream: D1 (1 fps–25/30 fps) Third Stream: 720P (1 fps–25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps–20480 Kbps H.265: 3 Kbps–20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB	Gain Control	Auto/Manual
H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes 120 dB Yes	Stream Capability Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance	Wain Stream: 5MP (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance Yes	Noise Reduction	3D NR
H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual	Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/Manual	Wain Stream: 5MP (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance Yes Gain Control Auto/Manual	Motion Detection	OFF/ON (4 Areas, rectangular)
H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR	Stream Capability 3 Streams Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance Yes Gain Control Auto/Manual Noise Reduction 3D NR	Video Frame RateMain Stream: 5MP (1 fps-25/30 fps)Sub Stream: D1 (1 fps-25/30 fps)Third Stream: 720P (1 fps-25/30 fps)Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NR	Image Rotation	180°
H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular)	Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance Yes Gain Control Auto/Manual Noise Reduction 3D NR Motion Detection OFF/ON (4 Areas, rectangular)	Video Frame Rate Sub Stream: 5MP (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance Yes Gain Control Auto/Manual Noise Reduction OFF/ON (4 Areas, rectangular)	Mirror	Yes
H.265: 3 Kbps-20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180°	Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°	Main Stream: 5MP (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance Yes Gain Control Auto/Manual Noise Reduction 3D NR Motion Detection OFF/ON (4 Areas, rectangular) Image Rotation 180°	Privacy Masking	4 Areas
H.265: 3 Kbps-20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes	Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYes	Video Frame RateMain Stream: 5MP (1 fps-25/30 fps)Sub Stream: D1 (1 fps-25/30 fps)Third Stream: 720P (1 fps-25/30 fps)Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYes	Audio	
H.265: 3 Kbps-20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes	Stream Capability 3 Streams Bit Rate Control CBR/VBR Yideo Bit Rate H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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	Video Frame Rate Sub Stream: 5MP (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance Yes Gain Control Auto/Manual Noise Reduction 3D NR Motion Detection DFF/ON (4 Areas, rectangular) Image Rotation 180° Mirror Yes Privacy Masking Main Stream: 5MP (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Third Stream: D1 (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Stream: D1 (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Stream: D2 (1 fps-25/30 fps)	Built-in Mic	Yes
H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas	Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 Areas	Main Stream: 5MP (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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 Speaker	Yes
H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas	Stream Capability Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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 Auto/Manual Auto/Manual Auto/Manual Yes Auto/Manual Yes Auto/Manual Yes Auto/Manual Yes Yes Privacy Masking 4 Areas	Video Frame RateMain Stream: 5MP (1 fps-25/30 fps)Sub Stream: D1 (1 fps-25/30 fps)Third Stream: 720P (1 fps-25/30 fps)Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAudioYes	Two-way talk	Yes
H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas	Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAudioBuilt-in MicYesBuilt-in SpeakerYes	Main Stream: 5MP (1 fps-25/30 fps) Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Third Streams 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps BLC Yes HLC Yes WDR 120 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	Audio Compression	G.711a; G.711Mu; G.726; G.726ASF
H.265: 3 Kbps-20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas	Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAudioBuilt-in MicYesBuilt-in SpeakerYesTwo-way talkYes	Video Frame RateMain Stream: 5MP (1 fps-25/30 fps)Sub Stream: D1 (1 fps-25/30 fps)Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAudioBuilt-in MicYesBuilt-in SpeakerYesTwo-way talkYes	Alarm	
H.265: 3 Kbps-20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas	Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264:3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAudioBuilt-in MicYesBuilt-in SpeakerYesTwo-way talkYesAudio CompressionG.711a; G.711Mu; G.726; G.726ASF	Video Frame RateMain Stream: 5MP (1 fps-25/30 fps)Sub Stream: D1 (1 fps-25/30 fps)Third Stream: 720P (1 fps-25/30 fps)Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAudioSuilt-in MicBuilt-in SpeakerYesTwo-way talkYesAudio CompressionG.711a; G.711Mu; G.726; G.726ASF	Arming/Disarming	Yes
H.265: 3 Kbps-20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas Yes Yes G.711a; G.711Mu; G.726; G.726ASF	Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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	Video Frame RateMain Stream: 5MP (1 fps-25/30 fps)Sub Stream: D1 (1 fps-25/30 fps)Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAudioBuilt-in MicYesBuilt-in SpeakerYesTwo-way talkYesAudio CompressionG.711a; G.711Mu; G.726; G.726ASFAlarm	Sound Alarm	Yes
H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas Yes Yes Yes Yes Yes Yes Yes	Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAudioBuilt-in MicYesBuilt-in SpeakerYesTwo-way talkYesAudio CompressionG.711a; G.711Mu; G.726; G.726ASFAlarmAlarmArming/DisarmingYes	Main Stream: 5MP (1 fps-25/30 fps) Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance Yes Gain Control Auto/Manual Noise Reduction JD NR Motion Detection OFF/ON (4 Areas, rectangular) Image Rotation 180° Mirror Yes Privacy Masking 4 Areas Audio Built-in Mic Built-in Speaker Yes Audio Compression G.711a; G.711Mu; G.726; G.726ASF Alarm Arming/Disarming Yes	Light Alarm	Red and Blue LED light
H.265: 3 Kbps-20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas Yes Yes Yes Yes Yes Yes Yes	Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAudio4 AreasBuilt-in SpeakerYesTwo-way talkYesAudio Compression6.711a; G.711Mu; G.726; G.726ASFAlarmArening/DisarmingYesSound AlarmYes	Main Stream: 5MP (1 fps-25/30 fps) Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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 Speaker Yes Two-way talk Yes Audio Compression G.711a; G.711Mu; G.726; G.726ASF Alarm Arming/Disarming Yes Sound Alarm Yes	Alarm Event	Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error
H.265: 3 Kbps-20480 Kbps Color/B/W Yes Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas Yes Yes Yes Yes Yes Yes Yes	Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH.264: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAudioBuilt-in MicYesBuilt-in SpeakerYesTwo-way talkYesAudio Compression6.711a; G.711Mu; G.726; G.726ASFAlarmArming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED light	Video Frame RateMain Stream: 5MP (1 fps-25/30 fps)Video Frame RateSub Stream: D1 (1 fps-25/30 fps)Stream Capability3 StreamsBit Rate ControlCBR/VBRVideo Bit RateH. 264: 3 Kbps-20480 KbpsH. 265: 3 Kbps-20480 KbpsDay/NightColor/B/WBLCYesHLCYesWDR120 dBWhite BalanceYesGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 Areas, rectangular)Image Rotation180°MirrorYesPrivacy Masking4 AreasAudioYesBuilt-in MicYesBuilt-in SpeakerYesTwo-way talkYesAudio CompressionG.711a; G.711Mu; G.726; G.726ASFAlarmArming/DisarmingYesSound AlarmYesLight AlarmRed and Blue LED light	Network	
H.265: 3 Kbps-20480 Kbps Color/B/W Yes Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas Yes Yes Yes Yes Yes Yes Yes	Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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	Video Frame Rate Main Stream: 5MP (1 fps-25/30 fps) Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps H.265: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes WDR 120 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)
H.265: 3 Kbps-20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas Yes Yes Yes Yes Yes Red and Blue LED light Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error	Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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 Two-way talk Yes 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	Main Stream: SMP (1 fps-25/30 fps) Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Third Streams 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR H.264: 3 kbps-20480 kbps H.265: 3 kbps-20480 kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance Yes Gain Control Auto/Manual Noise Reduction OFF/ON (4 Areas, rectangular) Image Rotation 180° Mirror Yes Privacy Masking 4 Areas Audio Built-in Mic Yes Built-in Mic Yes Two way taik 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	SDK and API	Yes
H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas Yes Yes Yes Yes Yes Red and Blue LED light Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error	Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264:3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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 Arming/Disarming Yes Yes Sound Alarm Yes Light Alarm Red and Blue LED light Alarmevent Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error Network H-45 (10/100 Base-T)	Video Frame Rate Main Stream: SMP (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 kbps-20480 kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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 RI-45 (10/100 Base-T)	Network Protocol	TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP
H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas Yes Yes Yes Yes Yes Yes Yes	Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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 Speaker Yes Rudio 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 Network Network Yes	Video Frame Rate Main Stream: D1 (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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 Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error <td>Interoperability</td> <td>ONVIF; CGI; P2P</td>	Interoperability	ONVIF; CGI; P2P
H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas Yes Yes Yes Yes Yes Yes Yes	Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps~20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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 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 Protoco	Video Frame Rate Main Stream: 5MP (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance Yes Gain Control Auto/Manual Noise Reduction 30 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 G.711a; G.711Mu; G.726; G.726ASF Alarm Arming/Disarming Yes Sound Alarm Yes Light Alarm Red and Blue LED light Alarm Event	User/Host	20 (Total bandwidth: 80 M)
H.265: 3 Kbps-20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas Yes Yes Yes Yes Yes Yes Yes	Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 kbps-20480 kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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 Speaker Yes Built-in Speaker Yes Two-way talk 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	Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264:3 Kbps-20480 Kbps Video Bit Rate H.265:3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance Yes Gain Control Auto/Manual Noise Reduction 3D NR Motion Detection OFF/ON (4 Areas, rectangular) Image Rotation 180° Mirror Yes Built in Mic Yes Built in Speaker Yes Built in Speaker 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 Light Alarm Red and Blue LED light Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error		
H.265: 3 Kbps-20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas Yes Yes Yes Yes Yes Yes Yes	Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 kbps-20480 kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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 Two-way talk Yes Audio Compression G.711a; G.711Mu; G.726; G.726ASF Alarm Yes Light 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;PPDGE;UPNP;SMTP Interoperab	Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H-264:3 Kbps-20480 Kbps Video Bit Rate H-265:3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance Yes Gain Control Auto/Manual Noise Reduction 20 NR Motion Detection OFF/ON (4 Areas, rectangular) Image Rotation 180° Mirror Yes Privacy Masking 4 Areas Audio Wes 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 Sound Alarm Pes Light Alarm Red and Blue LED light Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error	Storage	FTP; Micro SD card (support max. 256 G/FAT32)
H.265: 3 Kbps-20480 Kbps Color/B/W Yes Yes 120 dB Yes Auto/Manual 3D NR OFF/ON (4 Areas, rectangular) 180° Yes 4 Areas Yes Yes Yes Yes Yes G.711a; G.711Mu; G.726; G.726ASF Yes Red and Blue LED light Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error RI-45 (10/100 Base-T) Yes TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP ONVIF; CGI; P2P 20 (Total bandwidth: 80 M)	Stream Capability 3 Streams Bit Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 dB White Balance Yes White Balance Yes Word 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 Audio Compression 7,911a; G.711Mu; G.726; G.726ASF Audia 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 R.145 (10/100 Base-T) <tr< td=""><td>Video Frame Rate Main Stream: D1 (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Stream Capability 3 Streams 8it Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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 Speaker 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 Audiarm Yes Sound Alarm Yes Light Alarm Red and Blue LED light Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning;</td><td></td><td></td></tr<>	Video Frame Rate Main Stream: D1 (1 fps-25/30 fps) Sub Stream: D1 (1 fps-25/30 fps) Stream Capability 3 Streams 8it Rate Control CBR/VBR Video Bit Rate H.264: 3 Kbps-20480 Kbps Day/Night Color/B/W BLC Yes HLC Yes WDR 120 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 Speaker 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 Audiarm Yes Sound Alarm Yes Light Alarm Red and Blue LED light Alarm Event Disconnection; IP Conflict; No SD Card; Capacity Warning;		
CBR/VBR		Main Stream: 5MP (1 fps-25/30 fps) Video Frame Rate Sub Stream: D1 (1 fps-25/30 fps) Third Stream: 720P (1 fps-25/30 fps)	Video Bit Rate Day/Night BLC HLC WDR White Balance	H.264: 3 Kbps–20480 Kbps H.265: 3 Kbps–20480 Kbps Color/B/W Yes Yes 120 dB Yes
		Constant Communication	Smart Compression	

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

Pro Al Series | IPC-B3511E-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: 2.8 W; Max. 6.5W	
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

