Ultra AI Series | IPC-B5812E-ZAS-FL

8MP Smart Dual Light Active Deterrence Dark Killer Ultra AI IPC with R&B LED

- 8MP 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-12mm zoom lens
- 12 VDC/PoE power supply
- IP67 protection

Camera	
Image Sensor	1/1.8" 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	0.0008 lux@F1.6(Color, 30 IRE),0.0004 lux@F1.6 (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	Motorized Vari-Focal
Focal Length	2.8mm-12mm
Max. Aperture	F1.6
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
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
AI Search	Work together with NVR

Video

Compression	H.264H; H.264M; H.264B; H.265 MJPEG (Customization)
Smart Compression	H.264H+; H.264M+; H.264B+; H.265+
Video Frame Rate	Main Stream: 8MP (1 fps–25/30 fps)
	Sub Stream: D1 (1 fps–25/30 fps)
	Third 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
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 Color Areas)
Image Rotation	180°
Mirror	Yes

Audio

Built-in Mic	Yes
Built-in Speaker	Yes
Audio Compression	G.711a; G.711Mu; G.726; G.726ASF

Alarm

Arming/Disarming	Yes
Sound Alarm	Yes
Light Alarm	Yes
Alarm Event	Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error

Network

Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network Protocol	TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP
Interoperability	ONVIF; CGI; P2P
User/Host	16 (Total bandwidth: 80 M)
Storage	FTP; Micro SD card (support max. 256 G/FAT32)

Browser	IE: IE8 and later, Chrome, Firefox, Edge
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
RS485	Support
Power	
Power Supply	12V DC (±30%)/PoE (802.3af)
Power Consumption	Basic: 4 W ;Max. 14W
Heating	Optional
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	840g

Camera Structure and Dimensions