# 4MP Smart Hybrid Light Active Deterrence Dark Killer Ultra AI Vari-Focal IPC



- 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 White Light Alarm, Sound Alarm, Arm and Disarm
- Supports max. 256 G Micro SD card
- 2.8 mm 12mm zoom lens
- 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(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	
Illuminator Control	Auto; Manual	
Lens		
Lens Type	Motorized Vari-Focal	
Focal Length	2.8 mm - 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, 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-BF5419E-ZAS

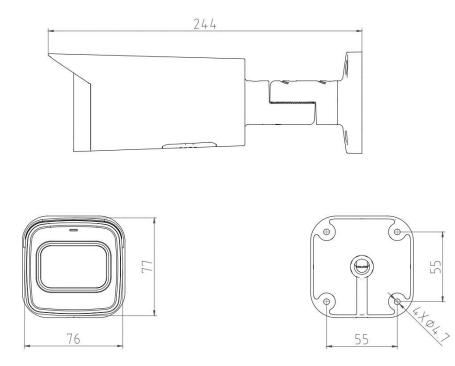
Al Search	Work together with NVR	
Video		
Compression	H.264H; H.264M; H.264B; H.265 MJPEG (Customization)	
Smart Compression	H.264H+; H.264M+; H.264B+; H.265+	
	Main stream:4MP@(1–25/30 fps)	
Video Frame Rate	Sub stream: D1@(1–25/30 fps)	
	Third stream: 1080P(1-25/30 fps)	
Stream Capability	3 Streams	
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 Areas, rectangular)	
Image Rotation	180°	
Mirror	Yes	
Privacy Masking	4 Areas	
Audio		
Built-in Mic	Yes	
Built-in Speaker	Yes	
Two-way talk	Yes	
Audio Compression	G.711a; G.711Mu; G.726; G.726ASF	
Alarm		
Arming/Disarming	Yes	
Sound Alarm	Yes	
Light Alarm	Yes	
Alarm Event	Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error	
Network		
Network	RJ-45 (10/100 Base-T)	
SDK and API	Yes	
Network Protocol	TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP	
Interoperability	ONVIF; CGI; P2P	
User/Host	20 (Total bandwidth: 80 M)	

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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: 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**



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