

## 8MP Smart Hybrid Light Active Deterrence Lite AI Fixed-Focal IPC



8MP 1/1.8" CMOS Sensor  
 Support H.264+, H.265+  
 IR distance 40m, Warm light distance 40m  
 Support Perimeter Protection, SMD  
 Support Built-in Mic & Speaker  
 Supports max. 256 G Micro SD card  
 2.8mm fixed lens (3.6mm optional)  
 12 VDC/PoE power supply  
 IP67 protection

Camera	
Image Sensor	1/1.8" CMOS
Max. Resolution	8MP, 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 40m, Warm light distance 40m
Illuminator Control	Auto; Manual
Lens	
Lens Type	Fixed-Focal
Focal Length	2.8mm/3.6mm
Max. Aperture	F1.6(F1.0 optional)
Field of View	2.8mm Horizontal: 111°,Vertical:59°,Diagonal:134° 3.6mm Horizontal: 90°,Vertical:48°,Diagonal: 108°
Iris Type	Auto
Intelligence	
Smart Motion Detection	Yes
Perimeter Protection	Intrusion, Tripwire (Support the classification of Vehicle, Human and Non-Motor)
Face Detection	NA
Object Detection	NA
People Counting	NA
Heat Map	NA
AI Search	Work together with NVR
Video	
Compression	H.264H; H.264M; H.264B; H.265
Smart Compression	H.264H+; H.264M+; H.264B+; H.265+

## Lite AI Series | IPC-BF2829D-AS

Video Frame Rate	Main Stream: 8MP (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 Mic	Yes
Built-in Speaker	NA(optional)
Alarm	
Arming/Disarming	NA
Sound Alarm	NA
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(Optional)
User/Host	20 (Total bandwidth: 80 M)
Storage	FTP; Micro SD card (support max. 256 G/FAT32)
Browser	IE: IE8 and later; Chrome; Firefox
Management Software	PC Software(SVMS)
Mobile Client	IOS; Android
Port	
Audio Input	NA

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

**Lite AI Series**
IPC-BF2829D-AS

Audio Output	NA
Alarm Input	NA
Alarm Output	NA
Power	
Power Supply	12V DC (±30%)/PoE (802.3af)
Power Consumption	Basic: 2.8 W; Max. 5.5W
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	238 mm × 79mm × 74mm
Net Weight	760g

**Camera Structure and Dimensions**

