

8MP Smart Hybrid Light Dark Killer Lite AI Fixed-Focal IPC



- 8MP 1/1.8" CMOS Sensor
- Support H.264+, H.265+
- IR Light: 30 m, White Light: 30m
- Support Perimeter Protection, SMD
- 2.8mm fixed lens (3.6mm optional)
- Built-in Mic(optional)
- 12 VDC/PoE power supply
- IP67,IK10 protection

Camera	
Image Sensor	1/1.8" CMOS
Max. Resolution	8MP
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.0008 lux@F1.2 (Color, 30 IRE),0.0006 lux@F1.2 (B/W, 30 IRE),0 lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	IR Light: 30 m, White Light: 30m
Illuminator Control	Auto; Manual
Lens	
Lens Type	Fixed-Focal
Focal Length	2.8mm/3.6mm
Max. Aperture	F1.6(F1.0 optional)
Iris Type	Auto
Intelligence	
Smart Motion Detection	Yes
Perimeter Protection	Intrusion, Tripwire (Support the classification of Vehicle, Human and Non-Motor)
AI Search	Work together with NVR
Video	
Compression	H.264H; H.264M; H.264B; H.265
Video Frame Rate	Main Stream: 8MP (1 fps–20 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

Lite AI Series | IPC-DF2829S-S2

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	NA (optional)
Alarm	
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;DHCP;DDNS;FTP;UPNP
Interoperability	ONVIF; CGI; P2P(Optional)
Storage	SD Card (Optional)
Browser	IE: IE8 and later
Management Software	PC Software(SVMS)
Mobile Client	IOS; Android
Power	
Power Supply	12V DC (±30%)/PoE (802.3af)
Power Consumption	Max. 3W
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,IK10
Structure	
Casing	Metal
Dimensions	82 mm × Φ113 mm
Net Weight	420g