

IDP1239FS-A-IL

2MP Entry Smart Dual Light Fixed-focal Eyeball Network Camera



Functions

Smart Dual Light

Smart Dual Light technology adopts smart algorithm to detect targets. Usually, the IR illuminator is on at night; when the target appears in the monitoring area, the white light is on, and the camera records the full-color video and information of key events. That is, the camera links snapshot and video with full-color image. When the target is out of the monitoring area, the white light is off and the IR illuminator is on, which reduces light pollution efficiently.

Human Detection

Intelligent algorithms extract moving human targets from videos and filters out alarms that are triggered by non-human targets to increase the accuracy and effectiveness of alarms.

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Image Flip

For narrow and long scenes, image flip technology flips the image by 90°/180°/270° to realize better surveillance in rotation mode.

Protection (IP67, Wide Voltage)

IP67 : The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normally after soaking in 1 m deep water for 30 minutes.

Wide voltage : The camera allows $\pm 30\%$ (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Camera					
Image Sensor	1/2.8" CMOS				
Effective Pixels	1920 (H) × 1080 (V)				
ROM	128 MB				
RAM	128 MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s				
Min. Illumination	0.005 Lux@F1.6 (Color,30 IRE)				
	0.0005 Lux@F1.6 (B/W,30 IRE)				
	0 Lux (Illuminator On)				
S/N Ratio	> 56 dB				
Illumination Distance	Up to 30 m (98.43 ft) (IR LED)				
	Up to 30 m (98.43 ft) (Warm Light)				
Illuminator On/Off Control	Auto/Manual				
Illuminator Number	1 (IR LED); 1 (Warm Light)				
Pan/Tilt/Rotation Range	Horizontal: 0°–360°				
	Vertical: 0°–78°				
	Rotation: 0°–360°				
Lens					
Lens Type	Fixed-Focal				
Mount Type	M12				
Focal Length	2.8 mm				
Max. Aperture	F1.6				
Field of View	H: 104°; V: 55°; D: 124°				
Iris Control	Fixed				
Close Focus Distance	0.8 m (2.62 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	44.1m (144.69ft)	17.7m (58.07ft)	8.8m (28.87ft)	4.4m (14.44ft)
Intelligence					
Human Detection	Support the Classification and Accurate Detection of Human				
Smart Search	Work Together with Smart NVR to Perform Refine Intelligent Search, Event Extraction and Merging to Event Videos				
Video					
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only Supported By The Sub Stream)				
Smart Codec	Smart H.265+; Smart H.264+				
Video Frame Rate	Main Stream: 1920 × 1080 (1 fps-25/30 fps)				
	Sub Stream: 704 × 576 (1 fps-25fps), 704 × 480 (1 fps-30fps)				
	*The Values Above Are The Max. Frame Rates Of Each Stream; For Multiple Streams, The Values Will Be Subjected To The Total Encoding Capacity				
Stream Capability	2 Streams				
Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)				
Bit Rate Control	CBR/VBR				
Video Bit Rate	H.264: 32 Kbps–4096 Kbps				
	H.265: 12 Kbps–4096 Kbps				
Day/Night	Auto(ICR)/Color/B/W				
BLC	Yes				
HLC	Yes				
WDR	DWDR				
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual/Regional Custom				

Video	
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 Areas, Rectangular)
Region of Interest(Rol)	Yes (4 Areas)
Smart IR	Yes
Image Rotation	0°/90°/180°/270° (Supports 90°/270° With 1080p Resolution and Lower)
Mirror	Yes
Privacy Masking	4 Areas
Audio	
Built-In Mic	Yes, Built-in Mic
Audio Compression	G.711a; G.711Mu; PCM; G.726
Alarm	
Alarm Event	Network Disconnection; IP Conflict; Illegal Access; Motion Detection; Video Tampering; Audio Detection; Security Exception
Network	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Security	Trusted Execution; Digest; Security Logs; HTTPS; Trusted Upgrade; WSSE; Trusted Boot; Account Lockout; Generation and Importing of X.509 Certification
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP; P2P
Interoperability	ONVIF (Profile S; Profile T); CGI
User/Host	6 (Total Bandwidth: 24 M)
Storage	FTP
Browser	IE; Chrome; Firefox
Management Software	Smart PSS Lite; DSS; DMSS
Mobile Phone	IOS; Android
Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	Basic: 1.8 W (12 VDC); 2.3 W (PoE) Max. (H.265 + Intelligence On+ WDR + Illuminator Intensity): 4.5 W (12 VDC); 5.6 W (PoE)
Environment	
Operating Temperature	-40°C to +60°C (-40°F to +140°F)
Operating Humidity	≤ 95%
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Protection	IP67
Structure	
Casing	Inner Core: Metal+Plastic, Cover: Plastic
Product Dimensions	100.9 mm × Φ109.9 mm (3.97" × Φ4.33")
Net Weight	0.33 kg (0.73 lb)
Gross Weight	0.45 kg (0.99 lb)

Dimensions (mm [inch])

