

IBM2249FS-LED-A

2MP Full-color Fixed-focal Bullet Wizesense Network Camera



Functions

SMD Plus

With intelligent algorithm, Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

Perimeter Protection

With deep learning algorithm, Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion, fast moving, parking detection, loitering detection and gathering detection) are largely reduced.

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.

Full-color

With high-performance sensor and large aperture lens, Full-color technology can display clear colorful image in the environment of ultralow illuminance. With this photosensitivity technology, the camera can capture more available light, and display more colorful image details.

Cyber Security

Network camera is equipped with a series of key security technologies, such as security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage, which improve its security defense and data protection, and prevent malicious programs from invading the device.

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 works normal 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" 2Megapixel Progressive CMOS				
Max. Resolution	1920 (H) × 1080 (V)				
ROM	128 MB				
RAM	128 MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s				
Minimum Illumination	0.002 Lux@F1.0				
S/N Ratio	> 56 dB				
Illumination Distance	Up to 30 m (98.43 ft) (Warm Light)				
Illuminator On/Off Control	Auto; Manual				
Illuminator Number	2 (Warm Light)				
Lens					
Lens Type	Fixed-Focal				
Mount Type	M12				
Focal Length	3.6 mm				
Max. Aperture	F1.0				
Field of View	Horizontal 85° × Vertical 45° × Diagonal 100°				
Iris Type	Fixed				
Close Focus Distance	1.7 m (5.58 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	3.6mm	53.8m	21.5m	10.8m	5.4m
		(176.51 ft)	(70.54 ft)	(35.43 ft)	17.72 ft)
T					
IVS (Perimeter Protection)	Intrusion, Tripwire (The Two Functions Support the Classification and Accurate Detection of Vehicle and 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-25 fps), 704 × 480 (1 fps-30 fps)				
	*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–6144 kbps				
	H.265: 12 kbps–6144 kbps				
Day/Night	Color/B/W				
BLC	Yes				
HLC	Yes				
WDR	120 dB				

Video	
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual/Regional Custom
Gain Control	Auto/Manual
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 Areas, Rectangular)
Region of Interest(Rol)	Yes (4 Areas)
Smart Illumination	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
Audio Compression	G.711A; G.711Mu; G.726; PCM
Network	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP; P2P
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI
User/Host	20 (Total Bandwidth: 48 M)
Storage	FTP; SFTP; Micro SD Card (Support Max. 256 GB)
Browser	IE; Chrome; Firefox
Management Software	Smart PSS Lite; DSS; DMSS
Mobile Phone	IOS; Android
Cyber Security	Configuration Encryption; Trusted Execution; Digest;security Logs; WSSE; Account Lockout; Syslog; Video Encryption; 802.1x; IP/MAC Filtering; HTTPS; Trusted Upgrade; Trusted Boot; Firmware Encryption; Generation and Importing of X.509 Certification
Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	Basic: 2 W (12 VDC); 2.7 W (PoE) Max.(H.265+Intelligence On+WDR+Illuminator Intensity): 6.2 W(12 VDC); 7.4 W(PoE)
Environment	
Operating Conditions	-40°C to +60°C (-40°F to +140°F)/Less Than ≤ 95% RH
Operating Humidity	≤95%
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Storage Humidity	≤95%
Protection Grade	IP67
Structure	
Casing	Metal
Product Dimensions	70.0 mm×70.0 mm×166.2 mm (2.76"×2.76"×6.54") (L×W×H)
Net Weight	0.47 kg (1.04 lb)
Gross Weight	0.59 kg (1.30 lb)

Dimensions (mm[inch])

