

IBM2239FS-LED-A

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



Functions

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.

WDR

With advanced Wide Dynamic Range (WDR) technology, network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

IVS

With advanced video algorithm, IVS technology supports intelligent functions, such as tripwire and intrusion.

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	0.0017 Lux@F1.0				
S/N Ratio	> 56 dB				
Illumination Distance	30 m (98.4 ft)				
Illuminator On/Off Control	Auto/Manual				
Illuminator Number	1 (Warm Light)				
Pan/Tilt/Rotation Range	Pan: 0°–360°				
	Tilt: 0°–90°				
	Rotation: 0°–360°				
Lens					
Lens Type	Fixed-Focal				
Mount Type	M12				
Focal Length	3.6 mm				
Max. Aperture	F1.0				
Field of View	Horizontal 91° × Vertical 47° × Diagonal 109°				
Iris Type	Fixed				
Close Focus Distance	1.3 m (4.3 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	3.6mm	49.7m (163.1 ft)	65.3m (108.6 ft)	32.5m (54.5 ft)	18.0m (27.2 ft)
Smart event					
IVS	Tripwire; intrusion				
Video					
Video Compression	H.265; H.264; 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)				
	1920 × 1080 (1 fps-25/30 fps)				
	Sub stream: 704 × 576 (1 fps-25 fps), 704 × 480 (1 fps-30 fps)				
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
Alarm	
Alarm Event	No SD Card; SD Card Full; SD Card Error; Network Disconnection; IP Conflict; Motion Detection; Video Tampering; Tripwire; Intrusion; Illegal Access; Voltage Detection; Audio Detection; Safety Exception
Network	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Video Encryption; Firmware Encryption; Configuration Encryption; Digest; WSSE; Account Lockout; Security Logs; IP/MAC Filtering; Generation and Importing of X.509 Certification; Syslog; HTTPS; 802.1x; Trusted Boot; Trusted Execution; Trusted Upgrade
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
User/Host	20 (Total Bandwidth: 72 M.)
Storage	Dahua Cloud; FTP; Micro SD Card (Support Max. 256 G); NAS; SFTP
Browser	IE
	Chrome
	Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Phone	IOS; Android
Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 6.0W
Environment	
Operating Conditions	-40°C to +60°C (-40°F to +140°F)/Less Than ≤ 95% RH
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Protection Grade	IP67
Structure	
Casing	Metal
Dimensions	166.2 mm × Φ70 mm (6.5" × Φ2.8")
Net Weight	0.473 kg (1.0 lb)
Gross Weight	0.574 kg (1.3 lb)

Dimension (mm)

