

IBM2431M-ZAS-4MP

4MP WDR IR Bullet Network Camera



Functions

Smart Codec (H.265+ & H.264+)

Adopting advanced algorithm of auto stream control according to the environment, Dahua smart encoding technology realizes the higher efficiency than (H.265 & H.264), providing high-quality video, and reducing the cost of storage and transmission.

Wide Dynamic Range (WDR)

Adopts advanced Wide Dynamic Range (WDR) technology. You can get clear details in the environment of strong brightness contrast. In high brightness and back-light environment, bright region and dark region with strong light source, you can also get clear images.

Starlight

Starlight technology mainly applies to the environment of low illumination, and it can provide clear colorful video. Even in the environment of min. illumination, the technology can guarantee the good image effect.

Intelligent Video Analysis (IVS)

With advanced video algorithm, camera supports intelligent detection, such as tripwire and intrusion and so on.

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 $\pm 30\%$ input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Camera					
Image Sensor	1/3" 4Megapixel Progressive CMOS				
Effective Pixels	2688 (H) × 1520 (V)				
ROM	128 MB				
RAM	128 MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s				
Min. Illumination	0.008 Lux@F1.5				
IR Distance	60 m (196.85 ft)				
IR On/Off Control	Auto/Manual				
IR LEDs Number	4				
Pan/Tilt/Rotation Range	Horizontal: 0°–360°				
	Vertical: 0°–90°				
	Rotation: 0°–360°				
Lens					
Lens Type	Motorized Vari-Focal				
Mount Type	φ14				
Focal Length	2.7 mm–13.5 mm				
Max. Aperture	F1.5				
Field of View	Horizontal: 104°–27°				
	Vertical: 55°–15°				
	Diagonal: 124°–31°				
Iris Type	Fixed Aperture				
Close Focus Distance	0.8 m–0.8 m (2.62 ft–2.62 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	64 m	25.6 m	12.8 m	6.4 m
		(209.97 ft)	(83.99 ft)	(41.99 ft)	(21.00 ft)
	T	220 m	88 m	44 m	22 m
(721.78 ft)		(288.71 ft)	(144.36 ft)	(72.18 ft)	
Smart Event					
General IVS Analytics	Intrusion; Tripwire				
Video					
Video Compression	H.265; H.264; H.264B; MJPEG				
Smart Codec	Yes				
Video Frame Rate	Main Stream: 2688 × 1520 (1 Fps-20 Fps), 2560 × 1440 (1 Fps-25/30 Fps)				
	Sub Stream: 704 × 576 (1 Fps-25 Fps), 704 × 480 (1 Fps-30 Fps)				
Stream Capability	2 Streams				
Resolution	2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 2304 × 1296 (2304 × 1296); 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	Auto(ICR)/Color/B/W				
BLC	Yes				
HLC	Yes				
WDR	120 dB				
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual/Regional Custom				
Gain Control	Auto/Manual				
Noise Reduction	3D DNR				
Motion Detection	OFF/ON (4 Areas, Rectangular)				
Region of Interest(Rol)	Yes (4 Areas)				

Video	
Smart IR	Yes
Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 2688 × 1520 Resolution.)
Mirror	Yes
Privacy Masking	4 Areas
Audio	
Audio Compression	G.711a; G.711Mu; G.726; AAC
Network	
Network	RJ-45 (10/100 Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour
Interoperability	ONVIF(Profile S/Profile G); CGI; P2P; Milestone; Genetec
User/Host	20
Edge Storage	Cloud; FTP; SFTP ;Micro SD Card (Support max. 256 GB); NAS
Browser	IE
	Chrome
	Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Phone	IOS; Android
Port	
Audio Input	1 (RCA Port)
Audio Output	1 (RCA Port)
Alarm Input	1 Channel In: 5mA 5VDC
Alarm Output	1 Channel Out: 300mA 12VDC
Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 9.6W
Environment	
Operating Conditions	-30°C to +60°C (-22°F to +140°F)/Less than ≤ 95%
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Protection	IP67
Structure	
Casing	Metal
Dimensions	Φ244.1 mm × 90.4 mm (Φ9.61" × 3.26")
Net Weight	0.9 kg (1.98 lb)
Gross Weight	1.15 kg (2.54 lb)

Dimension

