

IBM1430F

4MP IR Mini-Bullet Network Camera



Functions

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

Smart Codec is the optimized implementation of standard video compression (H.265 & H.264) that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart Codec technology reduces bit rate and storage requirements by up to 70% when compared to the standard video compression.

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens

Regions of interest

Regions of Interest (ROI) is a user defined feature that allows the operator to monitor specific areas of a scene while still maintaining overall situational awareness of less important areas

Smart IR

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts the intensity of camera's infrared LEDs to compensate the distance of an object. Smart IR technology prevents IR LEDs from whitening out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 30m (98ft).

Image Flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Environmental

Cameras operate in extreme temperature environments, rated for use in temperatures from -30° C to +60° C (-22° F to +144° F) with 95% humidity.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

Protection (IP67, wide voltage)

The camera allows for $\pm 25\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 2KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67)

Camera					
Image Sensor	1/3" 4Megapixel Progressive CMOS				
Effective Pixels	2560(H)x1440(V)				
RAM/ROM	256MB/16MB				
Scanning System	Progressive				
Minimum Illumination	0.09Lux/F2.0(Color,1/3s,30IRE)				
	0.5Lux/F2.0(Color,1/30s,30IRE)				
	0Lux/F2.0(IR on)				
S/N Ratio	More than 50dB				
IR Distance	Distance Up to 30m(98ft)				
IR On/Off Control	Auto/ Manual				
IR LEDs	18				
Lens					
Lens Type	Fixed				
Mount Type	Board-In				
Focal Length	3.6 mm				
Max. Aperture	F2.0				
Angle of View	H: 80°, V:44°				
Focus Control	Fixed				
Close Focus Distance	0.8m (2.63ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	3.6 mm	80m (262.5ft)	32m (105ft)	16m (52.5ft)	8m (26.3ft)
PTZ					
Pan/Tilt Range	Pan:0° ~360° ;Tilt:0° ~90° ;Rotation:0° ~360°				
Video					
Compression	H.265/H.264H/MJPEG(Sub Stream)				
Smart Codec	Support H.265+/H.264+				
Streaming Capability	2 Streams				
Resolution	4M(2560x1440)/3M(2304x1296)/1080P(1920x1080)/720P(1280x720)/VGA(640x480)/D1(704x576/704x480)/CIF(352x288/352x240)				
Frame Rate	Main Stream: 4M(1 ~ 20fps)				
	Sub Stream: D1(1 ~ 20fps)				
Bit Rate Control	CBR/VBR				
Bit Rate	H.264: 32K~6144K				
	H.265: 12K~ 6144K				
Day/Night	Auto(ICR) / Color / B/W				
BLC Mode	BLC / HLC / DWDR				
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual				

Video	
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detetion	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Electronic Image Stabilization	N/A
Smart IR	Support
Digital Zoom	16x
Flip	0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)
Audio	
Compression	N/A
Network	
Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP;HTTPS;TCP;ARP;RTSP;RTP;RTCP;UDP;SMTP;FTP;DHCP;DNS;DDNS;PPPoE;IPV4/V6;QoS;UPnP;NTP;Bonjour;IEEE 802.1X;Multicast;ICMP;IGMP;TLS;SSH
Interoperability	ONVIF Profile S&G, API
Streaming Method	Unicast / Multicast
Max. User Access	10 Users/20 Users
Edge Storage	NAS(Network Attached Storage) Local PC for Instant Recording
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS,DMSS
Smart Phone	IOS, Android
Interface	
Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A
Electrical	
Power Supply	DC12V, PoE (802.3af)(Class 0)
Power Consumption	<4.2W
Environmental	
Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A
Construction	
Casing	Metal
Dimensions	Φ71.6mm×164.7mm (2.82"x6.48")
Net Weight	0.383Kg (0.84lb)
Gross Weight	0.49Kg (1.08lb)