

# IBM230P-Z

3MP Network IR Bullet Camera



## Key Features

- 1/3" 3Megapixel Progressive CMOS
- H.264+/H.264 Compression
- 20fps@3MP(2048x1536)
- DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple Network Monitoring: Web Viewer, CMS(DSS/PSS) & DMSS
- 2.7~12mm Motorized
- Max IR LEDs Length 30m
- IP67, PoE
- Micro SD Card Slot, Up to 128GB

Camera	
Image Sensor	1/3" 3Megapixel Progressive Scan CMOS
Effective Pixels	2304(H) x1536(V)
RAM/ROM	128MB/16MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3(4)~1/100000s
Min. Illumination	0.1Lux/F1.4(Color); 0Lux/F1.4(IR on)
S/N Ratio	More than 50dB
Video Output	N/A
Camera Features	
Max. IR LEDs Length	60m (197ft)
IR On/Off Control	Auto/ Manual
IR LEDs	4
Day/Night	Auto(ICR)/Color/B/W
Backlight Compensation	BLC / HLC / DWDR
White Balance	Auto/Natural/Street/Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR

Camera Features	
Motion Detetion	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Smart IR	Support
Digital Zoom	16x
Flip	0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)
Lens	
Focal Length	2.7mm~12mm
Max Aperture	F1.4
Focus Control	Motorized
Angle of View	H:92°~28°, V:42°~15°
Lens Type	Motorized
Close Focus Distance	0.3m
Mount Type	Board-in Type
Video	
Compression	H.264+/H.264
Streaming Capability	2 Streams
Resolution	3M(2048×1536)/1080P(1920×1080)/720P(1280×720)/ D1(704×576/704×480)/CIF(352×288/352×240)
Frame Rate	Main Stream 3M(1~20fps)/2M (1~25/30fps) Sub Stream D1/CIF(1~25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H264:24K ~ 8192Kbps
Audio	
Compression	N/A
Network	
Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP; HTTPs; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP
Compatibility	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users/20 Users
Edge Storage	NAS(Network Attached Storage); Local PC for Instant Recording; Micro SD Card 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS, Easy4ip
Smart Phone	IOS, Android
Interface	
Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A
General	
Power Supply	DC12V, PoE (802.3af)(Class 0)
Power Consumption	< 12.95 W
Working Environment	-30°C ~ +60°C, Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A
Dimensions	72mm×80mm×212.8mm
Weight	0.65kg