

# 3MP High Definition

## Bullet IP Camera



### 2.8mm Fixed Lens



## Key Features

1/3" 3Megapixel Progressive CMOS  
 H.264+ & H.264 Dual-Stream Encoding  
 20Fps@3M(2048x1536)&25/30fps@2M(1920x1080)  
 DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC  
 Multiple Network Monitoring: Web Viewer,  
 CMS(DSS/PSS) & DMSS  
 2.8 mm Fixed Lens  
 Max IR LEDs Length 30m  
 IP67, PoE

## Dimensions Unit : mm



### Model NO.

**IBM1320F-U**

#### Camera

Image Sensor	1/3" 3Megapixel Progressive CMOS
Effective Pixels	2304H) x 1536(V)
RAM/ROM	128MB/16MB
Scanning System	Progressive
Minimum Illumination	0.1Lux/F2.0(Color), 0Lux/F2.0(IR on)
S/N Ratio	More than 50dB
IR Dirtance	Distance up to 30m(98ft)
IR On/Off Control	Auto / Manual
IR LEDs	18

#### LENS

Lens Type	Fixed
Mount Type	Board-in
Focal Length	2.8mm
Max Aperture	F2.0
Angle of View	H : 92°, V : 51°
Focus Control	Fixed
Close Focus Distance	N/A

#### OPERATIONAL

Compression	H.264+ / H.264
Streaming Capability	2 Streams
Resolution	3M(2048x1536)(2304x1296) / 1080P/ 720P /D1 / CIF
Frame Rate	Main : 3M(1 ~ 20fps)/2M(1 ~ 25/30fps), Sub : D1/CIF(1 ~ 25/30fps)
Bit Rate Control	CBR / VBR
Bit Rate	H264 : 24K ~ 8192Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / DWDR
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto / Manual
Noise Reduction	3D DNR
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)
Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP;FTP;DHCP;DNS;DDNS;PPPOE;IPV4/v6;SNMP;QoS;UPnP;NTP
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users / 20 Users
Web Viewer	IE, Chrome, Firefox, Safari

#### 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 & Vandal Resistance	IP67

#### Electrical

Power Supply	DC12V PoE (802.3af)(Class 0)
Power Consumption	<3.7W

#### Construction

Casing	Metal+Plastic
Dimensions	Φ70mm×162mm(2.76"×6.38")
Net Weight	0.46Kg(1.01lb)