

# OUTDOOR BULLET

# IP CAMERA



## PRODUCT OVERVIEW

**The all-in-one network camera.** Comtrend's MB-21IR Outdoor Bullet IP Camera is designed for the outdoors and is the ideal camera for reliable deployment in surveillance because of its all-in-one design and economic pricing. The MB-21IR is equipped with weather proof IP66 certified housing and has an anti-shear bracket to supply protection for hidden cables. The MB-21IR is designed for quick and flexible wall or ceiling mount installation with PoE capabilities and has built-in IR LEDs to support day/night function even in an environment with no light.

## KEY BENEFITS

### **Ideal for Outdoor Use**

*IR illuminators effective up to 65 feet*

### **Supports Multiple Video Streams**

*Can simultaneously stream H.264, MPEG-4, and MJPEG*

### **Weather Proof**

*IP66 weather proof certified casing*

### **Local Recording**

*Equipped with a built-in MicroSD slot*

# MB-21IR

## FEATURES

- Multi-stream from H.264/MPEG-4/MJPEG
- H.264 (30 fps @ 1920x1080)
- MPEG-4 (20 fps @ 1920x1080)
- 3.6mm lens with digital WDR (.05 lux minimum illumination for color)
- IR illuminators, effective up to 65 feet
- Built-in MicroSD card slot(32GB max)
- IP66 weather proof
- Supports iOS and Android
- Onvif Compliant (Profile S)
- PoE Power (IEEE802.3af)

## SPECIFICATIONS

### System

CPU: TI Multimedia SoC  
Flash/RAM: 32MB/128MC

### Image Sensor

Max. Resolution: 1920 (H) x 1080(V)  
Format: 1/2.5"

Effective Pixels: 2056 (H) x 1536(V)

### Lens

Focal Length: f=3.6mm  
Iris (F No.): F1.8  
Angle of View: H:65°;V:38°;D:72°

### Day & Night

Mechanical IRCF(ICR): Yes (Built-in Removable IR-cut filter)  
IR Distance (Max.): 120 feet, 850nm

### Min. Illuminators

Color Mode: 0.05 Lux  
B/W Mode: 0 Lux (IR On)

### Video Codec

H.264: 30fps @ 1920 X 1080 (Max. 1080P)  
MPEG-4 20fps @ 1920 x 1080 (Max. 1080P)  
MJPEG 30fps @ 720 x 480 (Max. D1)  
Codec Quality: H.264: 5 Levels (Max. 1080P), Bit Rate (Max. 6Mbps @ 1080P), MPEG-4: 5 Levels (Max. 1080P)

### Interface

Local Storage: MicroSD Slot, Supports Max 32GB  
Network: Fast Ethernet (10/100Mbps, RH-45 port)  
LED Indicators: network LED  
Reset Button: Push Button

### Protocols

IPv4, Ipv6, TCP/IP, UDP, HTTP, HTTPS, RTP, RTSP, RTCP  
ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, PPPoE, QoS  
ToS, DSCP, UPnP, Samba, Bonjour

### Power Supply

PoE/DC Power: PoE (IEEE802.3af)/DC5V (2A, Ø2.5mm)  
Power Consumption: PoE, Max. 6W/DC5V, Max. 4.6W

### Environment

Operating Temp: -10°C~55°C (-4°F~131°F)  
Humidity: 20%~90% RH  
Storage Temp: -20°C~60°C (-4°F~140°F)

### Mechanical Spec

Dimensions, Weight: 2.9in. Ø x 7.5in. (L), Net 21.5oz.  
Pan-n-Tilt: Pan: 360° ; Tilt: 70°  
Weatherproof: IP66

### Special Features

Motion Detection: 3 Scalable Windows

Privacy Mask: 3 Scalable Windows

Recording Options: Remote Client, MicroSD Card or Remote Samba Recording

Exposure Management: Full View/ BLC (Metering Area), AWB, AES, AGC

Image Settings: Brightness, Contrast, Sharpness, Saturation Adjustable

Shutter Time: Auto/Menu Mode

1/15~1/25000sec (Image Sensor) 1/15~1/10000sec (Menu Mode)

Mirror: Vertical, Horizontal

Onvif Compliant: Supports Onvif Profile S

Digital Zoom: Up to 10x Digital Zoom

Network Management: IP Filter, QoS (DSCP)

Time Management: Manual Time Setting, Time Server & NTP Support, Real Time Clock

User Access Control: Multi-Level User Access, Up to 5 Clients

Multiple Streaming: Max. 3 Streams

Configuration File: Backup to PC/ Backup to SD Card

Web Browser: Internet Explorer 9.x above

Operating System: Suggest Windows 7/8/8.1 above

Language: Supports multiple languages

### Event and Alarm Operation

Alarm Trigger: Video Motion Detection, Digital Input (Always/Schedule setting)

Event Action: FTP, Email, MicroSD Card Rec., NAS Rec., Digital Output

One Snapshot/Rec. Video File

Alarm Rec. Buffer: 5 sec Pre-alarm/ 5 sec post-alarm, Up to 3MB

### Accessory

Recording Software: 64-CH VMS Software

Installation Guide: Quick Installation Guide, Manual CD

Kit: Sun Shield, Screw Kit

### Certificate & Warranty

CE class A, FCC class A

2 Year Warranty