

# 2M HD IP BULLET CAMERA

BDN-A1052-R



<Optional Accessories>



< Junction Box, BJC01 > < Pole Mount Bracket, BP07 >

## FEATURES

### Real-time High Definition Bullet Camera

Using the state of art video compression engine, real time HD video streams of 1080p can be delivered for recording and monitoring.

### Triple codec, Simultaneous Multi Streaming

Triple H/W codec enables to transmit max 3 independent streams with different settings for different requirements. Therefore, it is possible to combine seamless remote video monitoring using H.264 with simultaneous transmission of high quality MPEG-4 to Network Video Recorder. Also, additional MJPEG can be delivered for Mobile devices such as Smart Phone or PDA.

### Local SD Card Backup

Some important sequence of still images can be stored in the SDHC memory card. This action can be configured to work with pre-post- alarm event or a given interval.

### Day & Night by ICR

For increased sensitivity of image sensor efficiently, a mechanical actuator can shift infrared (IR) Cut filter to disengage from image path automatically in the low light environment.

### POE

Built-in Power over Ethernet (IEEE 802.3af) makes installation easier, cheaper and more secure since Power over Ethernet can take advantage of UPS (uninterrupted power supply), which provides back-up power in case of a power failure.

### Bidirectional Audio

Provide two-way audio support. This enables remote users not only to view, but also to listen in on an area and communicate orders or requests to visitors or intruders.

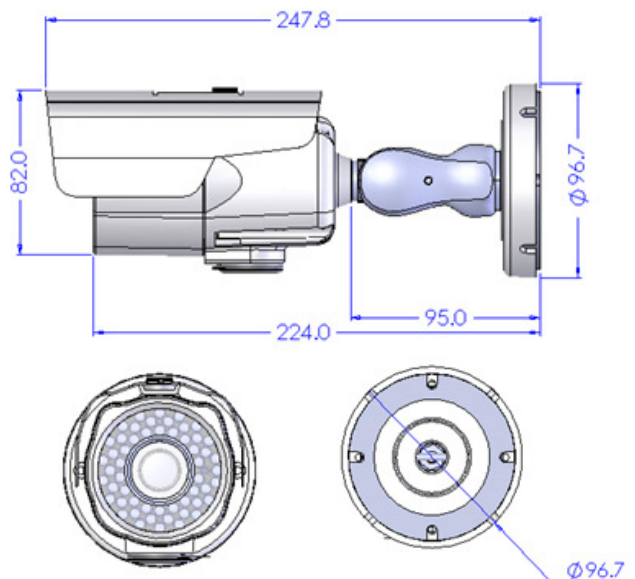
### Weather Proof Design

Due to IP66 environment protection as well as speed bullet camera will serve you all the time regardless of rain, snow and storm.

### Smart Focus (Motorized Focus)

Built-in auto-focus lens makes installation easier, installer don't need to adjust the focus manually.

### Dimensions



## Specification

| CAMERA            |   |
|-------------------|---|
| Image Device      | 1/2.8" 2.0M CMOS  |
| Total Pixels      | 2000(H)X1241(V)   |
| Effective Pixels  | Approx. 2 Mega pixels                                     |
| Aspect Ratio      | HD: 16:9 SD: 4:3  |
| Focal Length      | Auto Focus 3.0-10.5mm, F1.4, P-Iris                       |
| Horizontal angle  | 100°(W) ~ 30°(T)  |
| MIN. Illumination | COLOR : 0.1Lux @ F3.5, 30IRE<br>B/W : 0.00Lux @ IR LED ON |
| IR LED            | 54pcs IR LED (Distance : 20m)                             |
| Day & Night       | Auto / Day / Night(ICR)                                   |
| Focus             | Auto/Manual   |
| DNR               | OFF/LOW/MIDDLE/HIGH                                       |
| Shutter Speed     | 1/30sec ~ 1/60000sec<br>1/25sec ~ 1/60000sec              |
| DSS               | X2~X8   |
| AGC               | MAX 41dB  |
| White Balance     | Auto/Auto-Ext/Indoor/Outdoor/<br>One-push Mode/Manual     |
| BLC               | OFF/WDR/BLC/HLM   |

| GENERAL         |  |
|-----------------|--|
| Camera Posture  | 3 Axis (Pan/Tilt/Rotation)                               |
| Digital In /Out | 1 Alarm Sensor In / 1 Out                                |
| Audio In / Out  | 1 Audio In / 1 Audio Out                                 |
| Video Out       | BNC: VBS 1.0 Vp-p  |
| Power           | DC 12V 12W<br>POE IEEE 802.3af                           |
| Approvals       | FCC, CE, IP68, ROHS                                      |
| Housing         | Weather proof/Vandal Proof Structure<br>Color: Dark Gray |
| Material        | Body: Aluminum Die-casting                               |
| Dimension       | Net (W x H) 247.8 x 82                                   |
| Weight          | Package: 2 Kg  |
| Operating Temp. | -30°C ~ 50°C   |

| NETWORK            |   |  |
|--------------------|---|--|
| OS                 | Embedded Linux  |  |
| Video Compression  | Triple Codec,H.264/MPEG4/MJPEG  |  |
| Video Streaming    | Multi Streaming CBR/VBR<br>(Controllable frame rate and Bandwidth)                  |  |
| Resolution         | H.264 : 1080p/720p/D1/CIF<br>MJPEG : 1080P/720p/D1/CIF/QCIF<br>MPEG-4 : 720p/D1/CIF |  |
| Frame Rate         | Max. 30 /25 fps<br>for 1080P/720P/D1/CIF/QCIF                                       |  |
| Audio Compression  | Two way, G.711 PCM. μ-law 64kbps 8kHz   |  |
| Local Storage      | SDHC memory card (card is not included)   |  |
| Motion detection   | Notification: FTP, e-mail,<br>Alarm out, JPEG Recording on SD                       |  |
| Alarm              | Pre-Post Alarm  |  |
| Max No. of Clients | 10  |  |
| Protocols Support  | IPv4  | ONVIF, TCP/IP, UDP/IP, RTP(UDP),<br>RTSP, NTP, HTTP,HTTPS, SSL,<br>DNS, DDNS, DHCP, FTP, SMTP, ICMP,<br>SNMPv1/v2c/v3(MIB-2)                                 |
|                    | IPv6  | TCP/IP, HTTP, HTTPS, DHCP  |
|                    | DDNS  | Proprietary: NET4C<br>Public DDNS services Support:<br><a href="http://www.dyndns.com">www.dyndns.com</a> , <a href="http://www.no-ip.com">www.no-ip.com</a> |
|                    | Security  | HTTPS(SSL),<br>Digest Authentication(ID/PW)  |
| OS Supported       | Windows 7, Vista, XP, 2000  |  |