**CPRO**
**DIGITAL SURVEILLANCE SYSTEMS**

# 180° 4K IP IR Pano Bullet

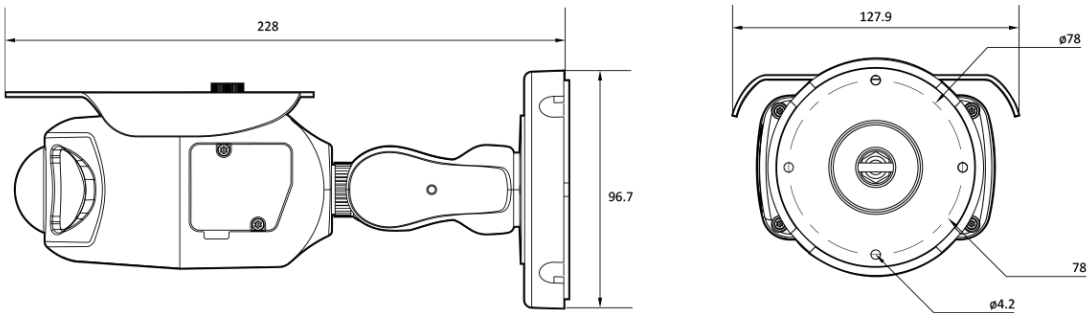
NSF1-58-R

## Features

- 4K 180-degree camera
- 1/1.8" high sensitivity sensor
- Maximum resolution 3840 (horizontal) X 2160 (vertical) / 30fps
- Horizontal angle of view 175 degrees / 180-degree fisheye lens
- Day & Night (ICR) / IR visibility distance 22 meters
- Backlight compensation (WDR) / 3DNR
- SD/SDHC/SDXC memory slot
- PoE IEEE 802.3af/Class3
- IP67/IK10



## Dimension (mm)



**CPRO**
**DIGITAL SURVEILLANCE SYSTEMS**

# Specification

| Video | |
|---|---|
| Image Sensor | 1/1.8” 9.17M CMOS |
| Channels | 1 |
| Total Pixel | 3952(H) X 2320(V) |
| Max Resolution | 3840(H) X 2160(V) |
| MIN. Illumination | COLOR: 0.29Lux<br>BW: 0Lux with IR |
| Only installer Video Output | 1 [CVBS 1.0V p-p (75Ω)] |
| S/N(signal/noise) Ratio | 50dB |
| Scanning Mode | Progressive Scan |

| Lens | |
|---|---|
| Focal Length | 2.3mm |
| Aperture | F2.8 |
| Lens Type | Fixed |
| IRIS Type | Auto Exposure |
| Horizontal Angle | H:175° / V:80° |
| Pan / Tilt / Zoom | Zoom :Fixed |

| Operational | |
|---|---|
| Shutter Speed | Auto / Manual (1/15 ~ 1/32000) Anti-Flicker Slow Shutter(1/2,1/3,1/5,1/6,1/7.5, 1/10) |
| Auto Gain Control (AGC) | Auto |
| Day & Night | TDN (True Day & Night) |
| Digital Noise Reduction | 3D DNR |
| Wide Dynamic Range (WDR) | WDR(2x) |
| Dynamic Range | 120dB or above |
| LEDs | H4IR |
| LED Distance | 70ft(22m) |
| Privacy Zone | No |
| Function | Motion-Detection Mirror&Flip Auto White Balance |

| Intelligent Video Analytic | |
|---|---|
| AI Intelligent Video Analytic | No |

**CPRO**
**DIGITAL SURVEILLANCE SYSTEMS**

| Encoder (video & audio) | |
|---|---|
| Video Compression | H.264 H.265 MJPEG |
| Support Resolution | H.265 : 3840x2160/2560x1440/1920x1080/1280x720/640x480/640x360/352x288/352x240<br>H.264 : 3840x2160/2560x1440/1920x1080/1280x720/640x480/640x360/352x288/352x240<br>MJPEG :<br>1920x1080/1280x720/800x600/768x432/704x576/704x480/640x480/640x360/352x288/352x240 |
| Intelligent Codec | Yes |
| Multiple Profile Streaming Performance | Triple Streaming(3rd Only MJPEG) |
| Video BitRate | 100Kbps~25Mbps |
| Bitrate Control | Multi Streaming CBR/VBR at H.264,H.265 (Controllable frame rate and Bandwidth) |
| Video Bitrate extra comment | Multi-rate for Preview and Recording |
| Audio Compression | G.711 ulaw |
| Special Feature | Dynamic ROI(Region of Interest) |

| I/O & Event | |
|---|---|
| Audio In / Out | 1 Line Input[1.0Vrms, 3K ohm]/1 Line Output |
| Alarm In / Out | 1 Line/1 Line |
| Mic | No |
| Event Trigger | Motion Alarm Network Disconnection Temperature Critical Illegal Login Schedule Sensor Detection |
| Event Notification | FTP E-Mail Alarm Out SD Card |

| Network | |
|---|---|
| Ethernet | RJ45(1000Base-T(1Gbps)) |
| Protocol | TCP/IP UDP AutoIP RTP(UDP/TCP) RTSP NTP HTTP HTTPS SSL DNS DDNS DHCP FTP SMTP ICMP SNMPv1/v2/v3(MIB-2) ONVIF |
| Security | HTTPS(SSL) IP filtering 802.1x Digest Authentication |
| Application Programming I/F | CGI API ONVIF |
| Web viewer | MS Edge® Google Chrome® |
| Video management software (VMS) | Yes |
| Support languages | English Korean Japanese |
| Edge storage | Micro SD Micro SDHC Micro SDXC |
| SD Card Socket | 1 |

| Electrical | |
|---|---|
| Power Requirement | Adaptor is not included DC12V PoE IEEE 802.3af Class3 |
| Power consumption | DC Max: 8.9W(12VDC 0.74A) PoE Max: 12.3W(48VDC 0.26A) |

**CPRO**
**DIGITAL SURVEILLANCE SYSTEMS**

| Environmental | |
|---|---|
| Operating Temperature | -20℃ ~ 50℃ |
| Cold Start | No |
| Operating Humidity | 10-90% RH(Non-Condensing) |
| Vandal Proof Casing | IK10 |
| IP Rating | IP67 |
| Other Certification | FCC CE ROHS KC |

| Mechanical | |
|---|---|
| Housing Model | SF1 |
| Housing | Outdoor Bullet Fisheye Specialty |
| Material | Aluminum-Die Casting |
| Color | White |
| Dimensions (W x D x H) | 222.5mm<br>96.7mm |
| Weight | 0.97kg |

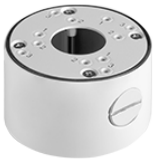
## Compatible Accessories



BJC13
JUNCTION BRACKET



BJC11
JUNCTION BRACKET



BJC07
Junction Bracket



BP01
Pole Mount Bracket



BCO01
Corner Mount Bracket