

AI 12M IP IR Fisheye Dome

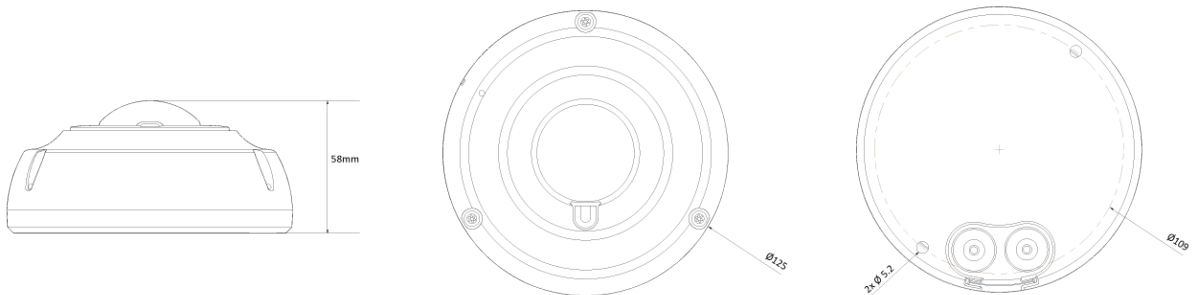
NVF13-712-R

Features

- 12MP 360-degree AI Camera
- Supports Intelligent Video Analysis Events (Line Crossing/Intrusion/Queue Management..)
- 1/2.3" High Sensitivity Sensor
- Maximum Resolution 4000 (Horizontal) X 3000 (Vertical) / 20fps
- Horizontal Field of View 180 degrees / 180-degree Fisheye Lens
- Day & Night(ICR)/Night Vision up to 22 meters
- Backlight Compensation (WDR)/3DNR
- SD/SDHC/SDXC Memory Slot
- PoE IEEE 802.3af/Class3
- IP67/IK10
- Built-in Microphone



Dimension (mm)



Specification

Video

| | |
|-----------------------------|------------------------------------|
| Image Sensor | 1/2.3" 12.93M CMOS |
| Channels | 1 |
| Total Pixel | 4072(H) X 3176(V) |
| Max Resolution | 4000(H) X 3000(V) |
| MIN. Illumination | COLOR: 0.52Lux 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 | 1.5mm |
| Aperture | F2.2 |
| Lens Type | Fixed |
| IRIS Type | Auto Exposure |
| Horizontal Angle | D:185 , H:185 , V:185 |
| 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 | H3IR |
| LED Distance | 70ft(22m) |
| Privacy Zone | Yes |
| Function | Motion-Detection |

Intelligent Video Analytic

| | |
|-------------------------------|---|
| AI Intelligent Video Analytic | Yes |
| VCA Pro AI | Intrusion Detection Zones&lines Tamper Detection Appear Filter Disappear Filter Dwell Filter Enter Filter Exit Filter Stopped Filter Counting Counting Lines Object Color Direction Filter Logical Rules Tailgating Filter DL People Tracker DL Object Tracker Metadata |

Encoder (video & audio)

| | |
|--|---|
| Video Compression | H.264 H.265 MJPEG |
| Support Resolution | H.265 : 4000x3000/3008x3000/2800x2800/1600x1600/640x640/320x320 H.264 : 4000x3000/3008x3000/2800x2800/1600x1600/640x640/320x320 MJPEG : 1440x1440/1280x1280/640x640/320x320 |
| 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 | Mic /1 Line Output |
| Alarm In / Out | 1 Line/1 Line |
| Mic | Yes |
| 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) | DW Spectrum® IPVMS |
| Support languages | English Korean Japanese |
| Edge storage | Micro SD Micro SDHC Micro SDXC |
| SD Card Socket | 1 |

Electrical

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|-------------------|---|
| Power Requirement | Adaptor is not included DC12V PoE IEEE 802.3af Class3 |
| Power consumption | DC Max: 10.2W PoE Max: 11.5W |

Environmental

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|-----------------------|--------------|
| Operating Temperature | -20°C ~ 50°C |
|-----------------------|--------------|








Environmental

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

Mechanical

| | |
|------------------------|----------------------|
| Housing Model | VF13 |
| Housing | Outdoor Dome Fisheye |
| Material | Aluminum-Die Casting |
| Color | White |
| Dimensions (W x D x H) | 125mm 58mm |
| Weight | 0.55kg |

Compatible Accessories

| | | | |
|--|---|---|---|
|  <p>BJC11 JUNCTION BRACKET</p> |  <p>BC10 NPT</p> |  <p>BJC08 Angle Bracket</p> |  <p>GP02 Gang Bracket</p> |
|  <p>BJC03 Junction Bracket</p> |  <p>BW10 Wall Bracket</p> |  <p>BC10 Ceiling Bracket</p> | |