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

# AI Total 10M MFZ Dual IR Dome

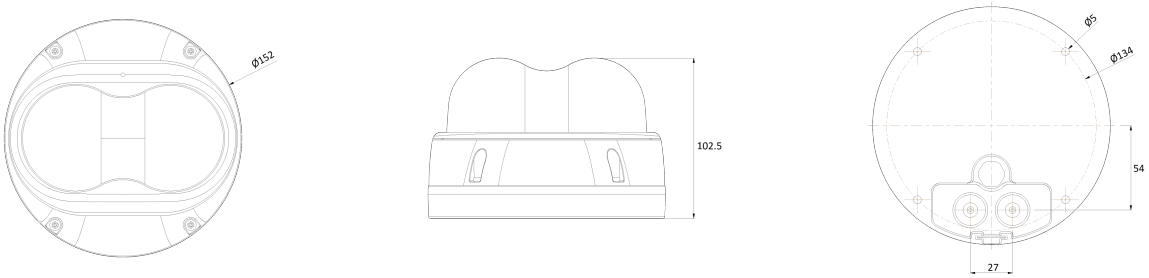
NVM20-710-R

## Features

- 5MP 2-Channel AI Camera
- 2-Channel Intelligent Video Analysis Event Support (Line/Intrusion/Queue..)
- Maximum Resolution 2592 (H) X 1944 (V) / Up to 15fps Simultaneously for 2 Channels
- Horizontal Field of View 88.4 degrees (Wide) ~ 41.4 degrees (Zoom) / Optical 2.8x
- Day & Night (ICR) / IR Visible Distance 34 meters
- Backlight Compensation (WDR)
- SD/SDHC/SDXC Memory Slot
- PoE IEEE 802.3at/Class4
- IP67/IK10
- Built-in Microphone



## Dimension (mm)



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# Specification

| Video | |
|---|---|
| Image Sensor | 1/2.8” 5.17M(STV2) CMOS |
| Channels | 2 |
| Total Pixel | 2608(H) X 1984(V) |
| Max Resolution | 2592(H) X 1944(V) |
| MIN. Illumination | COLOR: 0.05Lux<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 | 2.8~8mm |
| Aperture | F1.6 |
| Lens Type | Motorized_Varifocal |
| IRIS Type | Auto Exposure |
| Horizontal Angle | D : 51.6°~111°□H :41.4°~88.4°□V : 31°~65.5° |
| Pan / Tilt / Zoom | Zoom :2.8X Optical |

| 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 | 90ft(28m) |
| Privacy Zone | Yes |
| Function | Motion-Detection Mirror&Flip Auto White Balance |

| Intelligent Video Analytic | |
|---|---|
| AI Intelligent Video Analytic | Yes |
| Video analytics | 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 Abandoned Object Filter Removed Object Filter |

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| Encoder (video & audio) | |
|---|---|
| Video Compression | H.264 H.265 MJPEG |
| Support Resolution | H.265 : 2592x1944/2560x1440/1920x1080/1280x720/800x600/704x576/704x480/640x480/640x360/352x288/352x240(2ch)<br>H.264 : 2592x1944/2560x1440/1920x1080/1280x720/800x600/704x576/704x480/640x480/640x360/352x288/352x240(2ch)<br>MJPEG : 1920x1080/1280x720/800x600/768x432/704x576/704x480/640x480/640x360/352x288/352x240(2ch) |
| 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 | Choose Mic or 1 Line Input[1.0Vrms, 3K ohm] / 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 (10/100Base-T) |
| 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 |
| Application Programming I/F | CGI API ONVIF |
| Web viewer | MS Edge® Google Chrome® |
| 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 802.3at Class4 |
| Power consumption | DC Max: 10.8W PoE Max: 14.3W |

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| 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 |

| Mechanical | |
|---|---|
| Housing Model | VM20 |
| Housing | Outdoor Dome Multi-Sensor |
| Material | Aluminum-Die Casting |
| Color | White |
| Dimensions (W x D x H) | 152mm<br>103mm |
| Weight | 0.9kg |

## Compatible Accessories



BJC20



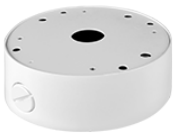
BW20



BC20 NPT



BC20



BJC09

Wall Junction Bracket



BP01

Pole Mount Bracket



BCO01

Corner Mount Bracket