**DIGITAL SURVEILLANCE SYSTEMS**

# AI Total 10M Dual IP IR Dome

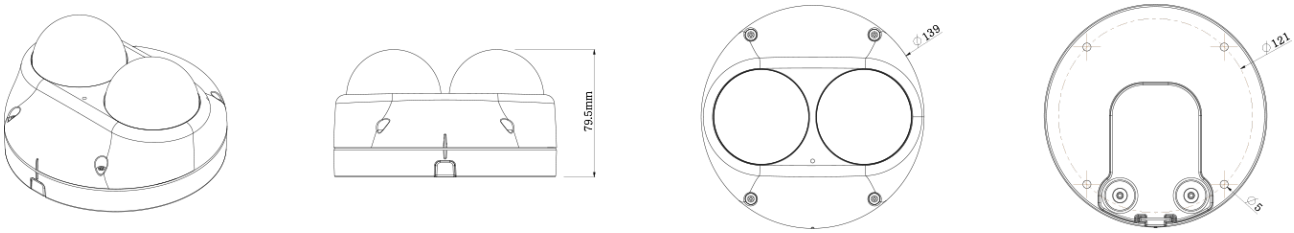
IDC-MS102R

## Features

- 5MP 2-Channel AI Camera
- 1 Channel Supports Intelligent Video Analysis Events (Line Crossing, Intrusion, Queue Management, etc.)
- Maximum Resolution 2592 (Horizontal) X 1944 (Vertical) per Channel / Simultaneous 2-Channel Operation at Maximum 15fps
- Horizontal Field of View 102 degrees (2.8mm), 82 degrees (4.0mm), 52 degrees (6.0mm)
- Fixed Lens Options
- Day & Night(ICR)/IR Visibility up to 18 meters
- Backlight Compensation (WDR)
- SD/SDHC/SDXC Memory Slot
- PoE IEEE 802.3af/Class3
- IP67/IK10
- Built-in Microphone



## Dimension (mm)



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## Specification

| Video | |
|---|---|
| Image Sensor | 1/2.8”  5.69M  CMOS |
| Channels | 2 |
| Total Pixel | 2704(H) X 2104(V) |
| Max Resolution | 2592(H) X 1944(V) |
| MIN. Illumination | COLOR: 2.8mm : 0.13Lux, etc : 0.16Lux<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 | 2.8mm  4.0mm  6.0mm  8.0mm |
| Aperture | 2.8 mm, F1.8 \| 4.0mm, F2.0 \| 6.0mm, F2.0 \| 8.0mm, F2.0 |
| Lens Type | Fixed |
| IRIS Type | Auto Exposure |
| Horizontal Angle | D : 125.5°, H : 102.4°, V : 77.4° (2.8mm) /D : 106.6°, H : 82.3°, V : 58.8° (4mm) /D : 69.4°, H : 51.9°, V : 37.6° (6mm)/ D : 47.9°, H : 37.8°, V : 28.2° (8mm) |
| 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 | H2IR+H2IR |
| LED Distance | 60ft(18m) |
| 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  Metadata |

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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(x2ch)<br>MJPEG : 1920x1080/1280x720/800x600/768x432/704x576/704x480/640x480/640x360/352x288/352x240(x2ch) |
| Intelligent Codec | Yes |
| Multiple Profile Streaming Performance | Dual 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 (10/100Base-T) |
| Protocol | TCP/IP, UDP, Auto IP, 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® |
| 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: 9.9W PoE Max: 11.6W |

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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 KC |

| Mechanical | |
|---|---|
| Housing Model | VM8 |
| Housing | Outdoor Dome Multi-Sensor |
| Material | Aluminum-Die Casting |
| Color | White |
| Dimensions (W x D x H) | 139mm<br>79.5mm |
| Weight | 0.68kg |

## Compatible Accessories



BC08 NPT



BW08

Wall Bracket



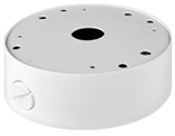
BC08

Ceiling Bracket



GP02

Gang Bracket



BJC09

Wall Junction Bracket



BP01

Pole Mount Bracket



BCO01

Corner Mount Bracket