



Pro 

AI Junction Dome IP Camera

AI 4K IP MFZ IR Dome

Real-time High Definition Camera

Real-time High Definition Camera Using the state of art video compression engine, real time HD video streams of 4K Ultra HD can be delivered for recording and monitoring. As a result, ultimate low speed without fluctuations as well as ultra high speed without jerks can be obtained.

Triple codec, Simultaneous Multi Streaming

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 monitor video remotely using H.264 and transmit to Network Video Recorder as well.

Day & Night by ICR

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

90° Tilting

90° Tilting The 3 axis mechanism and sophisticated bubble dome design support wider tilting angle up 90 degrees. For various applications, this provides more choices and options in installation.

FEATURES

- 4K AI Camera
- Supports Intelligent Video Analysis Events (Line Crossing, Intrusion, Queue Management, etc.)
- Maximum Resolution 3840 (Horizontal) X 2160 (Vertical) / 30fps
- Horizontal Field of View 90 degrees (Wide) ~ 33 degrees (Zoom) / Optical 5
- Day & Night (ICR) / IR Visible Distance 34 meters
- Backlight Compensation (WDR)
- SD/SDHC/SDXC Memory Slot
- IP67/IK10 | Internal Heater
- Built-in Microphone/Junction Box



TECHNICAL SPECIFICATION

CAMERA

| | |
|-----------------------------|------------------------------------|
| Model | MVP7-78-DVAI (8MP) |
| Image Sensor | 1/2.8" 8.6M CMOS |
| Channel | 1 |
| Resolution | 3864(H) X 2228(V) |
| Effective Pixels | 3840(H) X 2160(V) |
| Only installer Video Output | 1 [CVBS 1.0V p-p (75Ω)] |
| S/N(signal/noise) Ratio | 50dB |
| Min. Illumination | COLOR: 0.09Lux BW: 0Lux with IR |
| Scanning Mode | Progressive Scan |

LENS

| | |
|-------------------|---|
| Focal Length | 2.7~13.5mm |
| Lens Type | Motorized_Varifocal |
| IRIS Type | P-IRIS |
| Aperture | F1.4 |
| Horizontal Angle | D:38.2 ~105.0 , H:33.1 ~90.3 , V:18.9 ~49.0 |
| Pan / Tilt / Zoom | Zoom :X5 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(2x) |
| Dynamic Range | 120dB or above |
| LEDs | H4IR |
| LED Distance | 110ft(34m) |
| Privacy Zone | Yes |
| Function | Motion-Detection Mirror&Flip |

ENCODER (Audio & Video)

| | |
|--|--|
| Video Compression | H.264, H.265, MJPEG |
| Support Resolution | H.265 : 1920x1080/1280x720/704x576/704x480/640x480/352x288/352x240 H.264 : 1920x1080/1280x720/704x576/704x480/640x480/352x288/352x240 MJPEG : 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) |

PRO SERIES 

TECHNICAL SPECIFICATION

INTELLIGENT VIDEO ANALYTIC

| | |
|-------------------------------|---|
| Model | MVP7-78-DVAI (8MP) |
| 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 |

I/O & EVENTS

| | |
|--------------------|---|
| 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(1000Base-T(1Gbps)) |
| Protocol | TCP/IP UDP AutoIP RTP(UDP/TCP) RTSP NTP HTTP HTTPS SSL DNS DDNS DHCP FTP SMTP ICMP SNMP 1/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® |
| 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

| | |
|-------------------|--|
| Power Requirement | Adaptor is not included DC12V PoE IEEE 802.3af Class3 |
| Power consumption | DC Max: 13.1W PoE Max: 15.0W |

ENVIRONMENTAL

| | |
|-----------------------|----------------------------|
| Operating Temperature | -40°C ~ 55°C |
| Cold Start | -40°C |
| Operating Humidity | 10-90% RH (Non-Condensing) |
| Vandal Proof Casing | IK10 |
| IP Rating | IP67 |
| Other Certification | FCC CE ROHS |

PRO SERIES 

TECHNICAL SPECIFICATION

MECHANICAL

| | |
|------------------------|-----------------------|
| Model | MVP7-78-DVAI (8MP) |
| Housing Model | NK7 |
| Housing | Outdoor Dome |
| Material | Aluminum-Die Casting |
| Color | White |
| Dimensions (W x D x H) | 146mm 130mm |
| Weight | 1.42kg |

Accessories

