



MA9322-EHTVL

Multi-Sensor Adjustable Dome Network Camera

20MP Total Resolution • Multi-Directional • Adjustable Views • 30M IR • WDR Pro • SNV • NDAA

- H.265 Compression Technology
- 4x 5MP Independent Sensors, Adjustable Views
- 12 fps @ 2688x1920 per Sensor / 30 fps @ 2560x1440 per Sensor
- WDR Pro (120 dB) for Optimal Image Quality in High Contrast Environments
- SNV (Supreme Night Visibility) for Low Light Conditions
- Built-in IR Illuminators, Effective up to 30 Meters Radius
- Weather-proof IP66-rated, Vandal-proof IK10-rated, NEMA 4X Housing
- Built-in Microphone





Technical Specifications

System Information

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| Model | MA9322-EHTVL |
| CPU | Multimedia SoC (System-on-Chip) |
| Flash | 1 GB |
| RAM | 4 GB |

Camera Features

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| Image Sensor | 1/2.7" Progressive CMOS |
| Max. Resolution | 2688x1920 (5MP) x 4 |
| Lens Type | Motorized, Vari-Focal, Remote Focus |
| Focal Length | f = 3.7 ~ 7.7 mm |
| Aperture | F1.9 ~ F2.9 |
| Iris Type | Fixed-iris |
| Field of View | 88.6° ~ 40.1° (Horizontal) 61.2° ~ 28.6° (Vertical) 115.5° ~ 49.5° (Diagonal) |
| Shutter Time | 1/5 sec. to 1/32,000 sec. |
| WDR Technology | WDR Pro |
| Day/Night | Yes |
| Removable IR-cut Filter | Yes |
| IR Illuminators | Built-in IR illuminators, effective up to 30 meters with Smart IR |
| Minimum Illumination | 0.035 lux @ F1.9 (Color) 0.005 lux @ F1.9 (B/W) 0 lux with IR Illuminators on |
| Tilt Range | 0° ~ 105° each lens |
| Rotation Range | ±90° each lens |
| Pan/Tilt/Zoom Functionalities | ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in) |
| Storage | Seamless Recording to MicroSD/SDHC/SDXC card and recording to network-attached storage (NAS) |
| Built-in Installation Aids | Remote Focus, Remote Zoom |

Video

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|--------------------|--|
| Video Compression | H.265, H.264, MJPEG |
| Maximum Frame Rate | 12 fps @ (2688x1920) x 4 30 fps @ (2560x1440) x 4 |
| Maximum Streams | 2 simultaneous streams* per channel; max total 13 profiles * Stream 1: 2688x1920, 2560x1920, 2160x1536, 2048x1536, 1680x1200, 1600x1200, 1344x960, 1280x960, 672x480, 640x480 * Stream 2: 1280x960, 672x480, 640x480 |
| S/N Ratio | 60.4 dB |
| Dynamic Range | 120 dB |
| Video Streaming | Adjustable resolution, quality and constant bit rate control |
| Image Settings | General settings: video title and time stamp overlay, video orientation (flip, mirror), day/night settings; Illuminators: illuminators, anti-overexposure; Image settings: white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, HLM; Exposure: BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control), AE speed adjustment, WDR; Privacy mask; Scheduled profile settings |

Audio

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|-------------------|---|
| Audio Capability | Two-way Audio (full duplex) |
| Audio Compression | G.711, G.726 |
| Audio Interface | Built-in microphone External microphone input* External line output* * Requires AO-006 cable |
| Effective Range | 5 meters |



Network

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|-----------|---|
| Users | Live viewing for up to 20 clients |
| Security | Access list, digest authentication, HTTPS, IEEE 802.1x, Password protection, user access log, user account management |
| Protocols | 802.1X, ARP, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, UDP, UPnP |
| Interface | 10 Base-T/100 Base-TX/1000 Base-T Ethernet (RJ-45) * It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard. |
| ONVIF | - |

Solution Integration

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| Video Motion Detection | Five-window video motion detection |
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Alarm and Event

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| Event Trigger | Audio detection*, camera tampering detection, digital input*, manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, system boot * Requires AO-006 cable |
| Event Action | Event notification via audio clip*, camera link, digital output, email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card * Requires AO-006 cable |

General

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|-----------------------|---|
| Connectors | RJ-45 cable connector for 10/100/1000 Mbps PoE network connection Audio input* Audio output* AC 24V power input* Digital input* Digital output* * Requires AO-006 cable |
| LED Indicator | System power and status indicator |
| Power Input | AC 24V IEEE 802.3 at PoE |
| Power Consumption | AC: Max. 25 W PoE: Max. 25 W |
| Dimensions | Ø 267x114 mm (main body) Ø 275x118 mm (w/ bracket) |
| Weight | 2.7 kg |
| Certifications | EMC: CE (EN55032 Class A, EN55024), FCC (FCC Part 15 Subpart B Class A), RCM (AS/NZS CISPR 32 Class A), VCCI (VCCI-CISPR 32 Class A); UKCA, ICES-003 issue 7; Safety: UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471); Environment: IK10 (IEC 62262), IP66 (IEC 60529), NEMA (NEMA 250 Type 4X) |
| Operating Temperature | Start Temperature: -30°C ~ 50°C (-22°F ~ 122°F) Working temperature: -40°C ~ 50°C (-40°F ~ 122°F) |
| Humidity | 90% |
| Warranty | 36 months |

System Requirements

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|------------------|---|
| Operating System | Microsoft Windows 10/8/7 Mac 10.12 (Chrome only) |
| Web Browser | Chrome 58.0 or above Internet Explorer 10/11 |
| Other Players | VLC: 1.1.11 or above |

Included Accessories

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| Packing Contents | Quick installation guide, alignment sticker, desiccant bag, screw driver, screws pack |
|------------------|---|

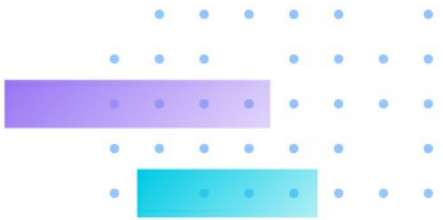
DORI (EN 62676-4 Standard)

| | |
|---------------------------|---|
| Detect (25PPM/ 8PPF) | Wide: 74.0 m (242.8 ft) Tele: 153.9 m (505.0 ft) |
| Observe (63PPM/ 19PPF) | Wide: 29.3 m (96.1 ft) Tele: 61.1 m (200.4 ft) |
| Recognize (125PPM/ 38PPF) | Wide: 14.8 m (48.6 ft) Tele: 30.8 m (101.0 ft) |

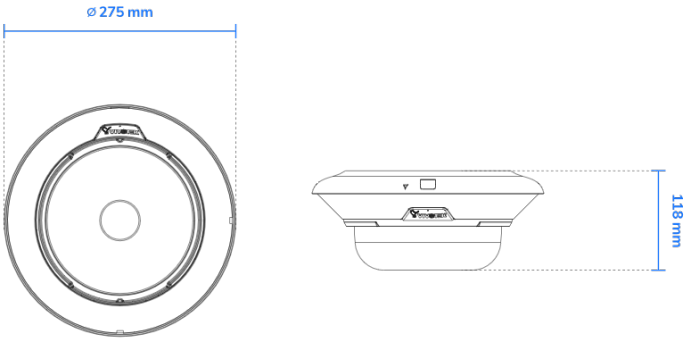


Identify (250PPM 76PPF)

Wide: 7.4 m (24.3 ft)
Tele: 15.4 m (50.5 ft)



Dimensions



Compatible Accessories

Mounting Kits



AM-529
Pendant Mount Adapter

Mounting Kits



AM-116
Pendant Pipe (20cm) (1-1/2" PS)

Mounting Kits



AM-117
Pendant Pipe (40cm) (1-1/2" PS)

Mounting Kits



AM-114
Pendant Head (Outdoor)

Mounting Kits



AM-21C
Wall Mount Bracket

Mounting Kits



AM-314
Pole Mount Bracket

Mounting Kits



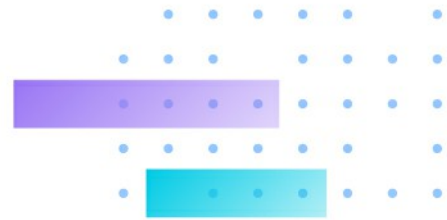
AM-414
Corner Mount Bracket

Mounting Kits



AM-10F
Recessed Kit for Multi-Sensor Camera

Cables



AO-006

IO Cable for MA9321-EHTV/MA9322-EHTV
