



S MA9321-EHTV

Multi-Sensor Adjustable Dome Network Camera



20MP Total Resolution • Multi-Directional • Adjustable Views • Remote Focus • SNV • WDR Pro • IP66 • IK10 • -40°C ~ 50°C

The new MA9321-EHTV is the most versatile product offering to date from VIVOTEK. The MA9321-EHTV provides high resolution images through four independent sensors, and remote focus lenses. By having each sensor independent of each other, the MA9321-EHTV can view four different regions simultaneously and therefore reduce the total number of cameras needed for surveillance, helping to lower total installation time and costs.

Featuring four independent 5MP CMOS Sensors, the MA9321-EHTV network camera can provide the most flexibility in surveillance monitoring. Each sensor utilizes a 3.7 to 7.7 mm remote focus lens and 3-axis design along a circular track to enable full 360° coverage. This enables the MA9321-EHTV to capture every angle for comprehensive video coverage from a single IP address, making this camera ideally suited for surveillance in areas such as hallway intersections, building corners, parking garages/lots, and shopping malls.

The MA9321-EHTV is equipped with a removable IR-cut filter and WDR Pro technology, enabling the camera to maintain optimal image quality and unparalleled visibility in high contrast lighting environments. Furthermore, the MA9321-EHTV employs VIVOTEK's Smart Stream III technology and H.265 compression codec, reducing bandwidth more than 90%* while still maintaining excellent image quality compared to traditional H.264 without smart streaming.

In addition to its versatile coverage, the MA9321-EHTV is armed with a robust IP66 and IK10-rated housing to enable the multi-directional camera to withstand rain and dust as well as to protect against vandalism or tampering.

Key Features

- 20-Megapixel Total Resolution
- 4 Independent Sensors, Adjustable Views
- 30 fps (2688x1920) per Sensor
- Remote Focus
- H.265 Compression Technology
- Removable IR-cut Filter for Day & Night Function
- Smart Stream III to Optimize Bandwidth Efficiency
- SNV (Supreme Night Visibility) for Low Light Conditions
- WDR Pro to Provide Extreme Visibility in Extremely Bright or Dark Environments
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- -40°C ~ 50°C Wide Temperature Range for Extreme Weather Conditions
- Built-in Microphone



Multiple sensors, Adjustable views

Technical Specifications

| | | | |
|-------------------------------|--|-----------------------------|--|
| Model | MA9321-EHTV | Audio | |
| System Information | | Audio Capability | Two-way Audio (full duplex) |
| CPU | Multimedia SoC (System-on-Chip) | Compression | G.711, G.726 |
| Flash | 8 GB | Interface | Built-in microphone External microphone input External line output |
| RAM | 4 GB | Effective Range | 5 meters |
| Camera Features | | Network | |
| Image Sensor | 1/2.7" Progressive CMOS | Users | Live viewing for up to 10 clients |
| Maximum Resolution | 2688x1920 (5MP) x 4 | Security | Access list, digest authentication, HTTPS, IEEE 802.1x, Password protection, user access log, user account management |
| Lens Type | Motorized, Vari-focal, Remote Focus | Protocols | 802.1X, ARP, CIFS/SMB, 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 |
| Focal Length | f = 3.7 ~ 7.7 mm | 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. |
| Aperture | F1.9 ~ F2.9 | ONVIF | Profile G, S supported, specification available at www.onvif.org |
| Iris Type | Fixed-iris | Solution Integration | |
| Field of View | 84.4° ~ 40.0° (Horizontal) 59.8° ~ 28.6° (Vertical) 104.5° ~ 49.2° (Diagonal) | Video Motion Detection | Five-window video motion detection, human detection, time filter |
| Shutter Time | 1/5 sec. to 1/32,000 sec. | VADP Package | Genetec, Trend Micro IoT Security (3-year free trial) |
| WDR Technology | WDR Pro | Alarm and Event | |
| Day/Night | Yes | Event Trigger | Audio detection, camera tampering detection, digital input, manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, system boot |
| Removable IR-cut Filter | Yes | Event Action | Event notification via audio clip, digital output, email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card |
| Minimum Illumination | 0.095 Lux @ F1.9 (Color) 0.005 Lux @ F1.9 (B/W) | General | |
| Tilt Range | 0° ~ 105° each lens | Connectors | RJ-45 cable connector for 10/100/1000Mbps Network/PoE connection Audio input Audio output AC 24V power input Digital input *1 Digital output *1 |
| Rotation Range | ±90° each lens | LED Indicator | System power and status indicator |
| Pan/Tilt/Zoom Functionalities | ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in) | Power Input | IEEE 802.3at PoE Class 4, AC 24V |
| Storage | Seamless Recording to MicroSD/SDHC/SDXC card and recording to network-attached storage (NAS) | Power Consumption | Max. 24/7 W (Heater on/off) Heater on: 4.87 °C |
| Built-in Installation Aids | Remote Focus, Remote Zoom | Dimensions | Ø 210 x 110.4 mm Ø 210 x 96.7 mm (without cover plate) |
| Video | | Weight | 1.6 kg |
| Compression | H.265, H.264, MJPEG | | |
| Maximum Frame Rate | 30 fps @ (2688x1920) x 4 | | |
| Maximum Streams | 3 simultaneous streams | | |
| S/N Ratio | 67 dB | | |
| Dynamic Range | 120 dB | | |
| Video Streaming | Adjustable resolution, quality and bitrate, configurable video cropping for bandwidth saving, Smart Stream III | | |
| Image Settings | General settings: video title and time stamp overlay, video orientation (flip, mirror, rotation), day/night settings: Image settings: white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, HLM, DIS, scene mode (auto, deblur); Exposure: BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR; Privacy mask; Scheduled profile settings | | |

Technical Specifications

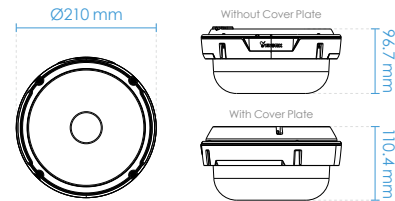
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|----------------------------|--|
| Certifications | EMC: CE (EN55032 Class A, EN55024), FCC (FCC Part 15 Subpart B Class A), RCM (AS/NZS CISPR 32 Class A), VCCI (VCCI-CISPR 32 Class A); Safety: UL (UL 60950-1), CB (IEC/EN 60950-1, IEC/EN 60950-22); Environment: IK10 (IEC 62262), IP66 (IEC 60529); IA: BIS (IS 13252) |
| Operating Temperature | Starting 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 | |
| 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

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

Dimensions



Compatible Accessories

Mounting Kits



AM-529
Mounting Adapter
(1.5" PS11 Male
Connector)



AM-116/117
Pendant Pipe
(1.5" PS11)
(20 cm/40cm)



AM-114
Pendant Head
(Outdoor)



AM-21C
Wall Mount Bracket



AM-314
Pole Mount Adapter



AM-414
Corner Mount Adapter