



# S series MA9322-EHTV

Multi-Sensor Adjustable Dome Network Camera



20MP Total Resolution • Multi-Directional • Adjustable Views • 30M IR • WDR Pro • SNV • Remote Focus • IP66 • IK10 • -40°C ~ 60°C

The new MA9322-EHTV is the most versatile product offering to date from VIVOTEK. The MA9322-EHTV expands on the already versatile MA9321-EHTV by adding IR illumination up to 30 meters, providing high resolution images through four independent sensors, and remote focus lenses. By having each sensor independent of each other, the MA9322-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 with IR illuminators, the MA9322-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 MA9322-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. Now with

IR illuminators in addition to SNV technology, areas of low light visibility are no longer an issue either.

The MA9322-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 MA9322-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 MA9322-EHTV is armed with a robust IP66 and IK10-rated housing to enable the multidirectional camera to withstand rain and dust as well as to protect against vandalism or tampering.

\* Depending on scene.

## Key Features

- H.265 Compression Technology
- 4x 5MP Independent Sensors, Adjustable Views
- 30 fps @ (2688x1920) per Sensor
- Smart Stream III to Optimize Bandwidth Efficiency
- WDR Pro (120 dB) for Unparalleled Visibility in Extremely Bright and Dark Environments
- SNV (Supreme Night Visibility) for Low Light Conditions
- Trend Micro IoT Security
- Built-in IR Illuminators, Effective up to 30 Meters Radius
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- Built-in Microphone



Multiple sensors, Adjustable views

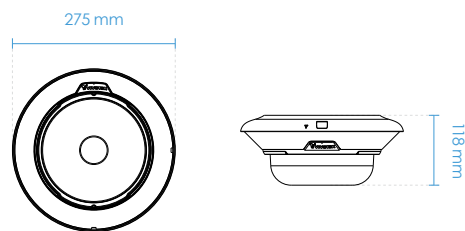
## Technical Specifications

Model	MA9322-EHTV	Compression	G.711, G.726
<b>System Information</b>		Interface	Built-in microphone External microphone input External line output
CPU	Multimedia SoC (System-on-Chip)	Effective Range	5 meters
Flash	8GB	<b>Network</b>	
RAM	4GB	Users	Live viewing for up to 10 clients
<b>Camera Features</b>		Protocols	802.1X, ARP, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, UDP, UPnP
Image Sensor	1/2.7" Progressive CMOS	Interface	10 Base-T/100 BaseTX/1000 Base-T Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
Max. Resolution	2688x1920 (5MP) x 4	ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
Lens Type	Motorized, Vari-focal, Remote Focus	<b>Intelligent Video</b>	
Focal Length	f = 3.7 ~ 7.7 mm	Video Motion Detection	Five-window video motion detection
Aperture	F1.9 ~ F2.9	VADP Package	Genetec Package, Trend Micro IoT Security
Iris type	Fixed-iris	<b>Alarm and Event</b>	
Field of View	40.2° ~ 88.8° (Horizontal) 28.6° ~ 59.8° (Vertical) 49.6° ~ 116° (Diagonal)	Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, SD card life expectancy, cybersecurity events (brute force attack event, cyberattack event and quarantine event)
Shutter Time	1/5 sec. to 1/32,000 sec.	Alarm Events	Event notification via digital output, email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card
WDR Technology	WDR Pro	<b>General</b>	
Day/Night	Yes	Connectors	RJ-45 cable connector for 10/100/1000Mbps Network/PoE connection Audio input* Audio output* AC 24V Power input* Digital input* Digital output* * Requires AO-006 cable.
Removable IR-cut filter	Yes	LED Indicator	System power and status indicator
IR Illuminators	Built-in IR illuminators, effective up to 30 meters with Smart IR	Power Input	AC 24V 2.5A IEEE 802.3at PoE Class 4
Minimum Illumination	0.095 Lux @ F1.9 (Color) 0.005 Lux @ F1.9 (B/W) 0 Lux with IR Illuminators on	Power Consumption	AC 24V: Max. 30 W PoE: Max. 25.5 W
Tilt Range	0° ~ 105° each lens	Dimensions	Main body: 267 x 114 mm With bracket: 275 x 118 mm
Rotation Range	±90° each lens	Weight	2,700 g
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)	Casing	IP66, IK10
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	Safety Certifications	CE, FCC Class A, UL, LVD, VCCI, C-Tick
<b>Video</b>		Operating Temperature	Start Temperature: -30°C ~ 60°C (-22°F ~ 140°F) Working temperature: -40°C ~ 60°C (-40°F ~ 140°F)
Compression	H.265, H.264, MJPEG	Humidity	90%
Maximum Frame Rate	30 fps @ (2688x1920) x 4	<b>Audio</b>	
Maximum Streams	3 simultaneous streams	Audio Capability	Two-Way Audio (full duplex)
S/N Ratio	67 dB		
Dynamic Range	120 dB		
Video Streaming	Adjustable resolution, quality and constant bit rate, configurable video cropping for bandwidth saving, Smart Stream III		
Image Settings	Time stamp, text overlay, flip and mirror, scheduled profile settings, configurable brightness/contrast/saturation/sharpness, white balance, exposure control, gain, backlight compensation, privacy masks, defog, 3DNR		

## Technical Specifications









Warranty	36 months
<b>System Requirements</b>	
Operating System	Microsoft Windows 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 QuickTime: 7 or above
<b>Included Accessories</b>	
Others	Quick installation guide, warranty card, alignment sticker, desiccant bag, screw driver, screws pack

## Dimensions



## Compatible Accessories

### Mounting Kits

 <p>AM-529 Mounting Adapter (1.5" PS11 Male Connector)</p>	 <p>AM-116/117 Pendant Pipe (1.5" PS11) (20 cm/40cm)</p>	 <p>AM-114 Pendant Head (Outdoor)</p>	 <p>AM-21C Wall Mount Bracket</p>
<b>Mounting Kits</b>			<b>Others</b>
 <p>AM-314 Pole Mount Adapter</p>	 <p>AM-414 Corner Mount Adapter</p>	 <p>AM-10F Recessed Kit</p>	 <p>AO-006 IO Cable</p>