VIVOTEK

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
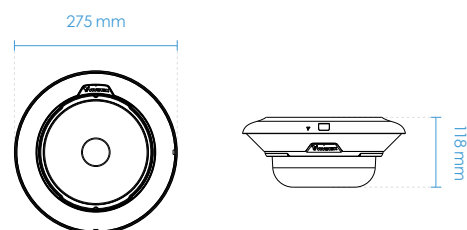
Technical Specifications

Model	MA9322-EHTV

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	8GB
RAM	4GB

Camera Features

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	40.2° ~ 88.8° (Horizontal) 28.6° ~ 59.8° (Vertical) 49.6° ~ 116° (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	0.095 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)
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording

Video

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 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

Audio

Audio Capability	Two-Way Audio (full duplex)
Compression	G.711, G.726
Interface	Built-in microphone External microphone input External line output
Effective Range	5 meters

Network

Users	Live viewing for up to 10 clients
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
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.
ONVIF	Supported, specification available at www.onvif.org

Intelligent Video

Video Motion Detection	Five-window video motion detection
VADP Package	Genetec Package, Trend Micro IoT Security

Alarm and Event

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)
Alarm Events	Event notification via digital output, email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card

General

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.
LED Indicator	System power and status indicator
Power Input	AC 24V 2.5A IEEE 802.3at PoE Class 4
Power Consumption	AC 24V: Max. 30 W PoE: Max. 25. 5 W
Dimensions	Main body: 267 x 114 mm With bracket: 275 x 118 mm
Weight	2,700 g
Casing	IP66, IK10
Safety Certifications	CE, FCC Class A, UL, LVD, VCCI, C-Tick
Operating Temperature	Start Temperature: -30°C ~ 60°C (-22°F ~ 140°F) Working temperature: -40°C ~ 60°C (-40°F ~ 140°F)
Humidity	90%

Technical Specifications

Warranty	36 months

System Requirements

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

Included Accessories

Others	Quick installation guide, warranty card, alignment sticker, desiccant bag, screw driver, screws pack

Dimensions

275 mm

118 mm

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

Mounting Kits			Others
AM-314 Pole Mount Adapter	AM-414 Corner Mount Adapter	AM-10F Recessed Kit	AO-006 IO Cable