





 $12MP \cdot 180^{\circ}$  Panoramic View  $\cdot$  IP66  $\cdot$  IK10  $\cdot$  -50°C  $\sim$  60°C

The VIVOTEK MS8391-EV is designed with multiple sensors providing higher resolution, maximizing the field of view and reducing the total number of cameras required, thereby saving on the installation costs. Featuring 4 x 3MP CMOS sensors, the multiple sensor network camera can monitor full horizontal views and deliver high-quality comprehensive coverage, making it an ideal outdoor surveillance solution with sharper images for more details. Covering a wide angle of 180 degrees, the MS8391-EV provides complete video security with no dead angles.

By having Multiple Sensors with 12-Megapixel resolution, users can ePTZ across the entire panoramic image for detailed views. With the powerful 3D Noise Reduction and Smart Stream technology, the MS8391-EV can also optimize quality for desired regions to maximize efficiency of bandwidth usage.

Additionally, as a professional day/night camera, it adopts a Smart IR technology which prevents overexposure and provides noise reduction to adjust the IR lighting intensity instantaneously based on the changes of light in the ambient environment. Finally, the MS8391-EV is armed with a robust IP66 and IK10-rated housing to enable the multi-sensor camera to withstand rain and dust as well as to protect against vandalism or tampering.



Day View



Night View (IR Off)



Night View (IR On)

## **Key Features**

- · 12-Megapixel Resolution
- · 180° Panoramic View
- · 7 fps @ 7552x1416
- · Video Alignment to Have a Seamless Picture
- · Smart IR Technology to Avoid Overexposure
- · Built-in IR Illuminators, Effective up to 30 Meters
- · Smart Stream to Optimize Bandwidth Efficiency
- · Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- $\cdot$ -50°C  $\sim$  60°C Wide Temperature Range for Extreme Weather Conditions



Campus



Station



Airport

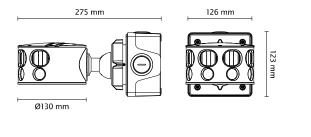
Parking lot

## **Technical Specifications**

Model	MS8391-EV	Intelli
System Information		Video
CPU	Multimedia SoC (System-on-Chip)	Alarn
Flash	128MB	Alarm
RAM	1GB	
Camera Features		Alarm
Image Sensor	1/2.8" Progressive CMOS	
Maximum Resolution	7552x1416	Gene
Lens Type	Fixed-focal	
Focal Length	f = 6 mm	Conne
Aperture	F1.6	
Field of View	180° (Horizontal) 34° (Vertical)	LED In
Shutter Time	1/5 sec. to 1/32000 sec.	Power
WDR Technology	WDR Enhanced	Power
Day/Night	Removable IR-cut filter for day & night function	
Minimum I <b>ll</b> umination	0.23 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)	Weight
Preset Locations	20 preset locations	Casing
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)	Safety
IR Illuminators	Built-in IR illuminators, effective up to 30 meters with Smart IR IR LED*4	Operat
On-board Storage	Slot type: MircoSD/SDHC/SDXC card slot Seamless Recording	Humid
Video		Warrar
Compression	H.264 & MJPEG	Syste
Maximum Frame Rate	7 fps @ 7552x1416	Operat
Maximum Streams	4 simultaneous streams	Web Bi
S/N Ratio	63 dB	
Dynamic Range	60 dB	Other
Video Streaming	Adjustable resolution, quality and bitrate Configurable video cropping for bandwidth saving	Inclu
Image Settings	Time stamp, text overlay, flip & mirror, scheduled profile settings, configurable brightness/contrast/saturation/sharpness, white balance, exposure control, gain, backlight compensation, privacy masks, Smart Stream	CD Others
Audio		
Audio Capability	Audio input/output (full duplex)	
Compression	G.711, G.726	
Interface	External microphone input External line output	Dime
Network		
Users	Live viewing for up to 10 clients	
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPP0E, CoS, QoS, SNMP, 802.1X, NTCIP, ARP, SSL, TLS	

Intelligent Video	
Video Motion Detection	Five-window video motion detection
Alarm and Event	
Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
Alarm Events	Event notification using HTTP, SMTP, FTP and NAS server, SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card
General	
Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output AC 24V power input Digital input*1 Digital output*1
LED Indicator	System power and status indicator
Power Input	AC 24V IEEE 802.3at PoE Class 4
Power Consumption	AC 24V: Max. 43.5W/15.6W (Heater on/off) IEEE 802.3at PoE: Max. 23.5W/15.6W (Heater on/off)
Weight	2.8kg
Casing	Weather-proof IP66-rated, Vandal-proof IK10-rated
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL
Operating Temperature	AC 24V: Starting Temperature: -40°C ~ 60°C (-40°F ~ 140°F) Working Temperature: -50°C ~ 60°C (-58°F ~ 140°F) POE: Starting Temperature: -20°C ~ 60°C (-4°F ~ 140°F) Working Temperature: -20°C ~ 60°C (-4°F ~ 140°F)
Humidity	90%
Warranty	36 months
System Requirements	
Operating System	Microsoft Windows 8/7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~43 (Streaming only) Internet Explorer 7/8/9/10/11
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
Included Accessories	
CD	User's manual, quick installation guide, Installation Wizard 2, VAST
Others	Quick installation guide, warranty card, software CD, desiccant bag, alignment sticker, wall mount kit, screws
Dimensions	

## Dimensions





AM-312 Pole Mount Adapter



AM-412 Corner Mount Adapter



