The new MA8391-ETV is the most versatile product offering to date from VIVOTEK. The MA8391-ETV provides high resolution images through four independent sensors, with each sensor utilizing a remote focus lens. By having each sensor independent of each other, the MA8391-ETV can view four different regions simultaneously and therefore reduce the total number of cameras needed for surveillance, helping to reduce total installation time and costs.

Featuring four independent 3MP CMOS Sensors, the MA8391-ETV network camera can provide the most flexibility in surveillance monitoring. Each sensor utilizes a 2.8 to 8 mm remote focus lens and 3-axis design along a circular track to enable full 360° coverage. This enables the MA8391-ETV 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.

In addition to its versatile coverage, the MA8391-ETV 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

- 12-Megapixel Total Resolution
- 4 Independent Sensors, Adjustable Views
- Remote Focus
- 7 fps (2048x1536) per Sensor
- Removable IR-cut Filter for Day & Night Function
- Smart Stream II to Optimize Bandwidth Efficiency
- SNV (Supreme Night Visibility)
- 3D Noise Reduction for Low-light Conditions
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- -40°C ~ 55°C Wide Temperature Range for Extreme Weather Conditions
- Built-in Microphone
- Built-in MicroSD/SDHC/SDXC card slot
Technical Specifications

Model MA8391-ETV

System Information

CPU Multimedia SoC (System-on-Chip)
Flash 128MB
RAM 1GB

Camera Features

Image Sensor 1/2.8” Progressive CMOS
Maximum Resolution 2048x1536 (3MP) x 4
Lens Type Vari-Focal, Remote Focus
Focal Length f = 2.8 ~ 8 mm
Aperture F1.6
Field of View 51° ~ 105° (Horizontal)
37° ~ 72° (Vertical)
63° ~ 140° (Diagonal)
Shutter Time 1/5 sec. to 1/32,000 sec.
WDR Technology WDR Enhanced
Day/Night Removable IR-cut filter for day & night function
Minimum Illumination 0.23 Lux @ F1.6 (Color)
0.01 Lux @ F1.6 (B/W)
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
Video

Compression H.264 & MJPEG
Maximum Frame Rate 7 fps @ 2048x1536
Maximum Streams 4 simultaneous streams
S/N Ratio 66.5 dB
Dynamic Range 60 dB
Video Streaming Adjustable resolution, quality and bitrate, Configurable video cropping for bandwidth saving; Smart Stream II
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
Audio

Audio Capability One-way Audio
Compression G.711, G.726
Interface Built-in Microphone
Effective Range 5 meters

Network

Users Live viewing for up to 10 clients
Interface 10 Base-T/100 BaseTX Ethernet (RJ-45)
ONVIF Supported, specification available at www.onvif.org

Intelligent Video

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

Alarm Triggers Motion detection, manual trigger, digital input, periodic trigger, system boot, recording notification, camera tampering detection, audio detection, MicroSD card life expectancy
Alarm Events Event notification using digital output, HTTP, SMIP, FTP, NAS server and MicroSD card

Video Streaming Adjustability for bandwidth saving, Smart Stream II
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
Audio

Audio Capability One-way Audio
Compression G.711, G.726
Interface Built-in Microphone
Effective Range 5 meters

System Requirements

Operating System Microsoft Windows 7/8
Web Browser 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
Technical Specifications

Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Ø210 mm</th>
<th>Without Cover Plate</th>
<th>With Cover Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø355 mm</td>
<td>104.7  mm</td>
<td>96.7 mm</td>
<td>110.4 mm</td>
</tr>
</tbody>
</table>

Compatible Accessories

Mounting Kits

- AM-529 Mounting Adapter (1.5” PS11 Male Connector)
- AM-116/117 Pendant Pipe (1.5” PS11) (20 cm/40 cm)
- AM-114 Pendant Head (Outdoor)
- AM-21C Wall Mount Bracket
- AM-314 Pole Mount Adapter
- AM-414 Corner Mount Adapter