VideoSphere® PTZ Cameras from March Networks® combine high quality video and encoding performance with reliable mechanical design. These IP-based, pan-tilt-zoom (PTZ) domes provide fully compressed H.264 digital video for unmatched image quality in a variety of lighting conditions. In addition, all VideoSphere PTZ cameras are easily programmed for accurate positioning, multiple presets, guard tours and privacy masking capabilities.

SUPERIOR IMAGE QUALITY
VideoSphere PTZ cameras are offered in either D1 or 2 megapixel video resolution to cover a wide range of applications. The VideoSphere MicroDome PTZ and MiniDome PTZ models include D1 resolution, a 10x optical zoom and a True Day Night camera/lens design that is ideal for low light conditions. The VideoSphere MegaDome PTZ camera provides up to 2 megapixel resolution to ensure exceptionally detailed images.

ADVANCED COMPRESSION
All VideoSphere PTZ cameras use H.264 / MPEG-4 compression technology to deliver as much as 20 times the efficiency of comparable JPEG-based IP cameras. The technology enables organizations to reduce bandwidth and storage costs significantly and archive higher quality video for longer periods of time.

INDOOR AND OUTDOOR APPLICATIONS
The small form factor design of the MicroDome PTZ and MiniDome PTZ cameras make them well suited for discrete video surveillance in indoor or outdoor applications. The MiniDome and MegaDome are rated to withstand dust and rain, while the MicroDome PTZ outdoor model offers an IP67 rating for more robust water entry prevention.

VideoSphere PTZ cameras are supported by March Networks’ Video Management System (VMS) software and hybrid NVR platforms, working together with VideoSphere SiteManager desktop application software for comprehensive video monitoring.

FEATURES
- H.264 / MPEG-4 video compression to maximize efficient use of bandwidth and storage
- Up to D1 at 30 fps (MicroDome PTZ / MiniDome PTZ)
- Up to 2 megapixels at 15 fps with MPEG-4 (MegaDome PTZ)
- Fast and accurate preset acquisition
- Preset tours
- Privacy masks to conceal private information
- Indoor and outdoor models
- User name and password protection for enhanced security
- Browser interface for full programming
- Wide range of mounting accessories
VideoSphere PTZ cameras are suitable for use in a wide range of environments, including airports, transit stations, hotels, healthcare and office complexes, university and college campuses, stadiums and other public venues.

### VideoSphere PTZ Cameras

#### Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>MicroDome PTZ</th>
<th>MiniDome PTZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor type</td>
<td>1/4” Interline Transfer CCD</td>
<td>1/4” Interline Transfer CCD</td>
</tr>
<tr>
<td>Lens size</td>
<td>3.8 - 38 mm</td>
<td>3.8 - 38 mm</td>
</tr>
<tr>
<td>Zoom – optical + digital</td>
<td>10x + 10x</td>
<td>10x + 10x</td>
</tr>
<tr>
<td>Light sensitivity – color</td>
<td>0.7 lux</td>
<td>0.7 lux</td>
</tr>
<tr>
<td>Slow shutter mode sensitivity (day/night auto)</td>
<td>0.01 lux</td>
<td>0.02 lux</td>
</tr>
<tr>
<td>Signal-to-noise ratio</td>
<td>50 dB</td>
<td>50 dB</td>
</tr>
<tr>
<td>White balance</td>
<td>Auto; manual</td>
<td>Auto; manual</td>
</tr>
<tr>
<td>Backlight compensation</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>AGC, Auto Iris</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Compression</td>
<td>H.264 / MPEG-4</td>
<td>H.264 / MPEG-4</td>
</tr>
<tr>
<td>Max. resolution NTSC / PAL</td>
<td>D1; 768x494 / 752x582</td>
<td>720x480 / 720x576</td>
</tr>
<tr>
<td>Max. frame rate</td>
<td>30 fps @ D1</td>
<td>30 fps @ D1</td>
</tr>
<tr>
<td>Audio</td>
<td>One-way</td>
<td>One-way</td>
</tr>
<tr>
<td>Presets</td>
<td>240</td>
<td>128</td>
</tr>
<tr>
<td>Tours</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Pan rotation speed</td>
<td>400˚/sec</td>
<td>180˚/sec; 360˚/sec on presets</td>
</tr>
<tr>
<td>Tilt coverage</td>
<td>95˚</td>
<td>90˚</td>
</tr>
<tr>
<td>Network interface</td>
<td>Ethernet 10/100 Mbps</td>
<td>Ethernet 10/100 Mbps</td>
</tr>
<tr>
<td>Input voltage</td>
<td>PoE (indoor); 12 VDC</td>
<td>12 VDC</td>
</tr>
<tr>
<td>Power consumption</td>
<td>12 W</td>
<td>12 W</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>32 to 122˚F / 0 to 50˚C (indoor)</td>
<td>32 to 104˚F / 0 to 40˚C (outdoor)</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>8 - 90% non-condensing</td>
<td>8 - 90% non-condensing</td>
</tr>
<tr>
<td>Weight</td>
<td>1.8 lbs / 0.8 kg (indoor); 3.08 lbs / 1.4 kg (outdoor)</td>
<td>2.6 lbs / 1.2 kg</td>
</tr>
<tr>
<td>Dimensions (H x D)</td>
<td>5.1 x 4.9 in. / 13.0 x 12.4 cm (indoor)</td>
<td>6.42 x 6.5 in. /16.31 x 16.5 cm</td>
</tr>
<tr>
<td>Environment</td>
<td>Indoor and outdoor (IP67) models</td>
<td>Indoor / outdoor (IP65)</td>
</tr>
<tr>
<td>Mounting options</td>
<td>Surface mount (indoor)</td>
<td>Surface mount (outdoor)</td>
</tr>
<tr>
<td>Mounting accessories</td>
<td>Wall and pendant</td>
<td>Pendant, wall, corner, pole</td>
</tr>
</tbody>
</table>
## MegaDome PTZ

- 1/3” CMOS Progressive Scan
- 4.5 - 72 mm
- 16x + unlimited
- 0.8 lux
- < 0.1 lux
- 42.3 dB
- Auto; manual
- Yes
- Yes
- H.264 (D1) / MPEG-4
- 1600x1200
- 15 fps @ 1600x1200; 30 fps @ D1
- 200
- 4
- Up to 400°/sec on presets
- 90°
- Ethernet 10/100 Mbps
- 24 VAC
- 50 W
- 14 to 122°F / -10 to 50°C
- 8 - 90% non-condensing
- 5.5 lbs / 2.5 kg
- 10.55 x 10.24 in. / 26.8 x 26.01 cm
- Indoor / outdoor (IP66)
- Wall, corner wall, pole, ceiling (surface), swan neck
- Wall, corner, pole

## MicroDome PTZ (Indoor)

### Dimensions

- Height: 4.92” (12.4 cm)
- Diameter: 3.54” (8.99 cm)

### Features

- Compression: H.264 / MPEG-4
- Max. resolution: NTSC / PAL
- Max. frame rate: 30 fps @ D1
- Audio: One-way
- Presets: 240
- Tours: 4
- Pan rotation speed: 400°/sec
- Tilt coverage: 90°
- Network interface: Ethernet 10/100 Mbps
- Input voltage: PoE (indoor); 12 VDC
- Power consumption: 12 W
- Operating temperature: 32°F to 122°F / 0°C to 50°C (indoor)
- Relative humidity: 8% - 90% non-condensing

## MiniDome PTZ

### Dimensions

- Height: 6.5” (16.5 cm)
- Diameter: 4.72” (11.99 cm)

### Features

- Compression: H.264 / MPEG-4
- Max. resolution: D1
- Max. frame rate: 30 fps @ D1
- Audio: One-way
- Presets: 128
- Tours: 4
- Pan rotation speed: 180°/sec; 360°/sec on presets
- Tilt coverage: 90°
- Network interface: Ethernet 10/100 Mbps
- Input voltage: 12 VDC
- Power consumption: 12 W
- Operating temperature: 14°F to 122°F / -10°C to 50°C
- Relative humidity: 8% - 90% non-condensing

## MegaDome PTZ

### Dimensions

- Height: 10.24” (26.01 cm)
- Diameter: 6.69” (17.02 cm)

### Features

- Compression: H.264 (D1) / MPEG-4
- Max. resolution: 1600x1200
- Max. frame rate: 15 fps @ 1600x1200; 30 fps @ D1
- Audio: One-way
- Presets: 200
- Tours: 4
- Pan rotation speed: Up to 400°/sec on presets
- Tilt coverage: 105°
- Network interface: Ethernet 10/100 Mbps
- Input voltage: 24 VAC
- Power consumption: 50 W
- Operating temperature: 14°F to 104°F / -10°C to 40°C
- Relative humidity: 8% - 90% non-condensing
- Weight: 5.5 lbs / 2.5 kg
- Dimensions: 10.55 x 10.24 in. / 26.8 x 26.01 cm
- Environment: Indoor / outdoor (IP67)
- Mounting options: Surface mount, Pendant-ready (outdoor)
- Mounting accessories: Pendant, wall, corner, pole
VideoSphere PTZ Cameras

VideoSphere MicroDome PTZ Camera
The VideoSphere MicroDome PTZ is a state-of-the-art camera that provides Power over Ethernet (PoE) in a small form factor design. Its PoE capability eliminates the need for power outlets at the camera and facilitates the centralized use of uninterruptible power supplies (UPS) to ensure reliable operation around-the-clock. The MicroDome PTZ is a 10x optical zoom, True Day Night camera with removable IR cut filter for low-light sensitivity and ultra-clear, night-time image quality. Complete with an integrated web server, the camera’s status and video can be remotely managed from any location. In addition, the MicroDome PTZ can stream up to three simultaneous video streams (2 MPEG-4, 1 H.264) at maximum frame rates with D1 resolution for exceptional scalability and operational flexibility. Designed to meet IP67 standards for dust and water ingress protection, the outdoor model is able to withstand severe weather conditions.

VideoSphere MiniDome PTZ Camera
The VideoSphere MiniDome PTZ is a 10x optical zoom, True Day Night camera with a removable IR cut filter that provides low-light sensitivity and ultra-clear, night-time image quality. A maximum D1 resolution of up to 30 fps using H.264 / MPEG-4 compression technology ensures high quality video can be viewed in real time. With a high precision, pan/tilt drive and a rotation speed of as much as 360 degrees per second, the MiniDome PTZ enables extremely accurate and rapid camera positioning, and includes presets and guard tour functionality. An audio channel is also available.

VideoSphere MegaDome PTZ Camera
The VideoSphere MegaDome PTZ is an innovative, award-winning camera, and the first in the industry to combine megapixel PTZ capability with MPEG-4 compression. The camera supports resolutions of up to 1600 x 1200 (2 megapixels) at 15 fps and 1.3 megapixels at real-time frame rates to deliver high quality video with exceptional motion capture. It can also transmit an H.264 video stream at D1 resolution. Able to rotate up to 400 degrees per second, the MegaDome PTZ provides extremely accurate and rapid camera positioning. Its convenient presets, which include auto-homing and guard tours, are enhanced with automated focus and backlight compensation features and a 16x optical zoom.