



# VideoSphere XDOME



**VideoSphere® XDome PTZ Cameras** from March Networks® combine high quality video and encoding performance with reliable mechanical design. These IP-based, pan-tilt-zoom (PTZ) dome cameras provide fully compressed H.264 digital video for unmatched image quality, even in challenging lighting conditions. All VideoSphere XDomes are easily programmed to provide accurate positioning, multiple presets, guard tours and privacy masking capabilities.

## SUPERIOR IMAGE QUALITY

VideoSphere XDome cameras combine up to D1 video resolution with True Day Night and Wide Dynamic Range capabilities to provide sharp, detailed images in a variety of difficult lighting conditions. For even greater detail, a choice of 18x and 36x optical zoom models are available with digital zoom functionality. To ensure optimum lens control and image clarity, the cameras also incorporate auto focus and auto iris algorithms during manual or automatic PTZ camera movement.

## ADVANCED COMPRESSION

VideoSphere XDome 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.

## ANALYTICS-READY WITH AUTO TRACKING

For advanced surveillance, all XDomes series cameras support optional video analytics available as part of the VideoSphere Intelligent Video Management portfolio.

VideoSphere analytics include PTZ Auto Tracking, which detects and centers on a moving person or vehicle to track them and record video automatically, as well as applications ranging from Left Object and Facial Detection to Queue Length Monitoring and Perimeter Protection. System health analytics include a Camera Tampering Alarm that alerts maintenance staff to obscured or covered cameras.

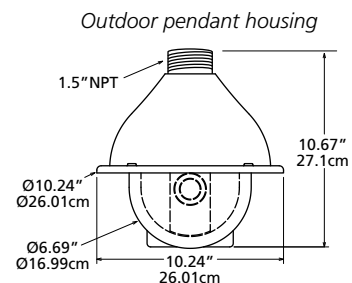
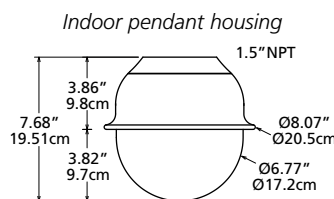
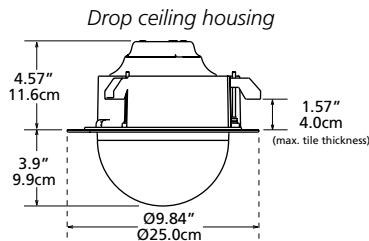
VideoSphere XDome cameras are supported by March Networks' Video Management System (VMS) software and hybrid NVR platforms, working together with VideoSphere SiteManager desktop application software for comprehensive video monitoring.

## FEATURES

- H.264 / MPEG-4 video compression to reduce storage requirements and maximize bandwidth
- Video resolutions of up to D1 at 30 fps
- True Day Night camera/lens design
- Wide Dynamic Range ability
- PTZ auto tracking of people and vehicles
- Optional support for a range of embedded analytic applications
- Fast and accurate preset acquisition
- Privacy masks to conceal private information
- RTP/RTSP support
- Indoor and Outdoor models
- Outdoor housing designed for use down to -40°F (-40°C)
- Full range of optional NPT mounting accessories



Model	XDome (Indoor version)	XDome (Outdoor version)
<b>Sensor type</b>	1/4" ExView HAD	1/4" ExView HAD
<b>Zoom – optical + digital</b>	18x or 36x (both + 12x)	18x or 36x (both + 12x)
<b>Light sensitivity – color</b>	0.7 lux (18x), 1.0 lux (36x)	0.7 lux (18x), 1.0 lux (36x)
<b>Light sensitivity – b/w<sup>1</sup></b>	0.05 lux (18x), 0.01 lux (36x)	0.05 lux (18x), 0.01 lux (36x)
<b>Signal-to-noise ratio</b>	> 50 dB	> 50 dB
<b>White balance</b>	Auto	Auto
<b>Wide dynamic range</b>	Yes	Yes
<b>AGC, Auto Iris</b>	Yes	Yes
<b>Embedded analytics</b>	Optional	Optional
<b>Privacy masking</b>	Yes	Yes
<b>Compression</b>	H.264 / MPEG-4	H.264 / MPEG-4
<b>Max. resolution NTSC / PAL</b>	D1; 720x480 / 720x576	D1; 720x480 / 720x576
<b>Max. frame rate NTSC / PAL</b>	30 fps / 25 fps @ D1	30 fps / 25 fps @ D1
<b>Presets</b>	200	200
<b>Tours</b>	4	4
<b>Pan rotation speed</b>	Up to 360°/sec on presets	Up to 400°/sec on presets
<b>Tilt coverage</b>	90°	90°
<b>Network interface</b>	Ethernet 10/100 Mbps	Ethernet 10/100 Mbps
<b>Input voltage</b>	24VAC (18-28VAC) / 24VDC (18-28VDC)	24VAC (18-28VAC) / 24VDC (18-28VDC)
<b>Power consumption</b>	24 W	45 W
<b>Operating temperature</b>	14 to 122°F / -10 to 50°C	-40 to 122°F / -40 to 50°C
<b>Relative humidity</b>	8 - 90% non-condensing	8 - 90% non-condensing
<b>Weight</b>	3.4 lbs / 1.53 kg (Pendant) 3.2 lbs x 1.45 kg (Drop ceiling)	5.2 lbs / 2.33 kg
<b>Dimensions (HxD)</b>	7.68 x 8.07 in. / 19.51 x 20.5 cm (Pendant) 8.46 x 9.84 in. / 21.5 x 25.0 cm (Drop ceiling)	10.67 x 10.24 in. / 27.1 x 26.01 cm
<b>Environment</b>	Indoor	Indoor / outdoor (IP66)
<b>Mounting accessories</b>	Wall, corner	Wall, corner, pole, sunshield
<b>Certifications</b>	CE – EMC Directive, 2004/108/EC, Standards EN55022, EN55024 FCC Part 15 Subpart B, ICES-003	



NOTE: <sup>1</sup> Slow shutter mode, with IR cut filter removed.

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