

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

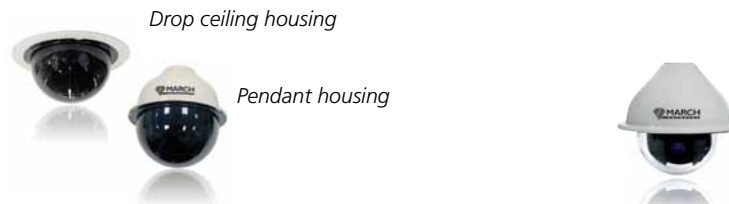
For advanced surveillance, all XDomes series cameras support optional video analytics available as part of the VideoSphere Intelligent Video Management portfolio.

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.

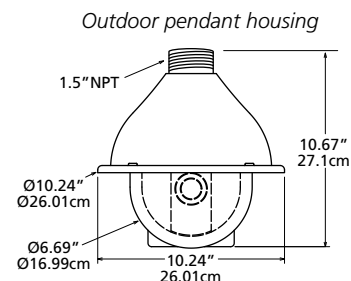
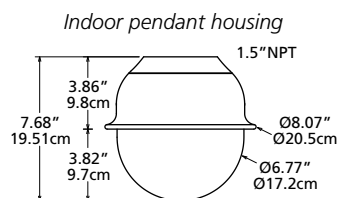
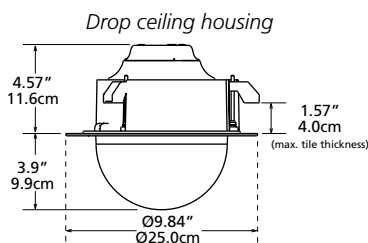
VideoSphere XDome cameras are supported by March Networks' Video Management System (VMS) software and hybrid NVR platforms, working together with VideoSphere SiteManager desktop application software for comprehensive video monitoring.

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)
Sensor type	1/4" ExView HAD	1/4" ExView HAD
Zoom – optical + digital	18x or 36x (both + 12x)	18x or 36x (both + 12x)
Light sensitivity – color	0.7 lux (18x), 1.0 lux (36x)	0.7 lux (18x), 1.0 lux (36x)
Light sensitivity – b/w¹	0.05 lux (18x), 0.01 lux (36x)	0.05 lux (18x), 0.01 lux (36x)
Signal-to-noise ratio	> 50 dB	> 50 dB
White balance	Auto	Auto
Wide dynamic range	Yes	Yes
AGC, Auto Iris	Yes	Yes
Embedded analytics	Optional	Optional
Privacy masking	Yes	Yes
Compression	H.264 / MPEG-4	H.264 / MPEG-4
Max. resolution NTSC / PAL	D1; 720x480 / 720x576	D1; 720x480 / 720x576
Max. frame rate NTSC / PAL	30 fps / 25 fps @ D1	30 fps / 25 fps @ D1
Presets	200	200
Tours	4	4
Pan rotation speed	Up to 360°/sec on presets	Up to 400°/sec on presets
Tilt coverage	90°	90°
Network interface	Ethernet 10/100 Mbps	Ethernet 10/100 Mbps
Input voltage	24VAC (18-28VAC) / 24VDC (18-28VDC)	24VAC (18-28VAC) / 24VDC (18-28VDC)
Power consumption	24 W	45 W
Operating temperature	14 to 122°F / -10 to 50°C	-40 to 122°F / -40 to 50°C
Relative humidity	8 - 90% non-condensing	8 - 90% non-condensing
Weight	3.4 lbs / 1.53 kg (Pendant) 3.2 lbs x 1.45 kg (Drop ceiling)	5.2 lbs / 2.33 kg
Dimensions (HxD)	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
Environment	Indoor	Indoor / outdoor (IP65)
Mounting accessories	Wall, corner	Wall, corner, pole, sunshield
Certifications	CE – EMC Directive, 2004/108/EC, Standards EN55022, EN55024 FCC Part 15 Subpart B, ICES-003	



NOTE: ¹ Slow shutter mode, with IR cut filter removed.

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