Video**Sphere**
PTZ

VideoSphere™ PTZ Dome IP Cameras combine high resolution, real-time video delivery with outstanding bandwidth and storage efficiency. This award-winning family of pan-tilt-zoom (PTZ) dome cameras provides fully compressed H.264 digital video for unmatched image quality, even in challenging lighting conditions. All VideoSphere PTZ domes are easily programmed to provide accurate positioning, multiple presets and guard tour capabilities.

ADVANCED DESIGN

VideoSphere PTZ Dome 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

To help organizations increase the value of the video and data being captured, both the Indoor and Outdoor VideoSphere Domes support embedded video analytics available as part of the VideoSphere Intelligent Video Management solution. These advanced applications range from left baggage and facial detection to queue length monitoring and perimeter protection. They also include PTZ Auto Tracking, which detects a moving person or vehicle, and enables a VideoSphere PTZ camera to track the object and record video automatically. System health analytics include camera tampering alarms that alert maintenance staff to obscured, covered or spray-painted cameras.

FULL RANGE OF CAMERA OPTICS

VideoSphere PTZ Dome cameras are available with 10x, 16x, 18x and 26x optical zoom to cover a broad range of applications. The 10x, 18x and 26x are equipped with a moving IR cut filter for True Day/Night capability in low light conditions. The PTZ MegaDome offers a 16x zoom lens with a 2 megapixel Progessive Scan imager to provide the highest quality images. All VideoSphere PTZ IP cameras can be fully programmed to maximize performance based upon application requirements.

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

FEATURES

- H.264 / MPEG-4 video compression to maximize efficient use of bandwidth and storage
- Video resolutions of up to 2 megapixels at 15 fps with MPEG-4
- Support for a range of embedded analytic applications
- PTZ auto tracking of people and vehicles
- Fast and accurate preset acquisition
- Privacy masks to conceal private information
- RTP/RTSP support
- MegaDome and Dome (Indoor and Outdoor) models include an external power supply

MARCH networks

VideoSphere PTZ Dome IP Cameras

Technical Specifications

Model	MiniDome	MegaDome
Sensor type	1/4" Interline Transfer CCD	1/3" CMOS Progressive Scan
Lens size	3.8 - 38 mm	4.5 - 72 mm
Zoom – optical + digital	10x + 10x	16x + unlimited
Light sensitivity – color	0.7 lux	0.8 lux
Slow shutter mode sensitivity (day/night auto)	0.02 lux	< 0.1 lux
Signal-to-noise ratio	50 dB	42.3 dB
White balance	Auto; Manual	Auto; Manual
Backlight compensation	Yes	Yes
AGC, Auto Iris	Yes	Yes
Embedded analytics		
Privacy masking	Yes	Yes
Compression	MPEG-4 / H.264	MPEG-4 / H.264 (D1)
Max. resolution PAL/ NTSC	720x576 / 720x480	1600x1200
Max. frame rate	30 fps @ D1	15 fps @ 1600x1200; 30 fps @ D1
Audio	One-way	
Presets	128	200
Tours	4	4
Pan rotation speed	180° /sec; 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	12 VDC	24 VAC
Power consumption	12 W	50 W
Power supply included		100-240 VAC, 1.5Amp 50/60 Hz, waterproof enclosure
Operating temperature	32 to 104°F / 0 to 40°C	14 to 122°F / -10 to 50°C
Relative humidity	8 - 90% non-condensing	8 - 90% non-condensing
Weight	2.6 lbs / 1.2 kg	5.5 lbs / 2.5 kg
Dimensions (height x diameter)	6.42 x 6.5 in. / 16.3 x 16.5 cm	10.55 x 10.24 in. / 26.8 x 26.0 cm
Environment	Indoor / outdoor (IP65)	Indoor / outdoor (IP65)
Mounting options	Wall, ceiling (surface)	Wall, corner wall, pole, ceiling (surface), swan neck
Certifications	CE – EMC Directive 2004/108/EC, Standards EN55022, EN55024 FCC Part 15 Subpart B, ICES-003	CE – EMC Directive 2004/108/EC, Standards EN55022, EN55024 FCC Part 15 Subpart B, ICES-003

Model	Dome (Indoor)	Dome (Outdoor)
Sensor type	1/4" ExView HAD	1/4" ExView HAD
Lens size	4.1 - 73.8 mm	3.5 - 91 mm
Zoom – optical + digital	18x + 12x	26x + 12x
Light sensitivity – color	0.7 lux	1 lux
Slow shutter mode sensitivity (day/night auto)	0.05 lux	0.01 lux
Signal-to-noise ratio	> 50 dB	> 50 dB
White balance	Auto	Auto
Backlight compensation	Yes	Yes
AGC, Auto Iris	Yes	Yes
Embedded analytics	Optional	Optional
Privacy masking	Yes	Yes
Compression	MPEG-4 / H.264	MPEG-4 / H.264
Max. resolution PAL / NTSC	D1; 720x576 / 720x480	D1; 720x576 / 720x480
Max. frame rate	30 fps @ D1	30 fps @ D1
Audio		
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	24 VAC	24 VAC
Power consumption	36 W	50 W
Power supply included	100-240 VAC, 1.8Amp 50/60 Hz	100-240 VAC, 1.5Amp 50/60 Hz, waterproof enclosure
Operating temperature	14 to 122˚F / -10 to 50˚C	-4 to 122˚F / -20 to 50˚C
Relative humidity	8 - 90% non-condensing	8 - 90% non-condensing
Weight	5.5 lbs / 2.5 kg	5.5 lbs / 2.5 kg
Dimensions (height x diameter)	7.68 x 8.07 in. / 19.5 x 20.5 cm	10.55 x 10.24 in. / 26.8 x 26.0 cm
Environment	Indoor	Indoor / outdoor (IP65)
Mounting options	Wall, corner wall, pole, ceiling (flush and surface)	Wall, corner wall, pole, ceiling (surface)
Certifications	CE – EMC Directive 2004/108/EC, Standards EN55022, EN55024 FCC Part 15 Subpart B, ICES-003	CE – EMC Directive 2004/108/EC, Standards EN55022, EN55024 FCC Part 15 Subpart B, ICES-003

VideoSphere PTZ Dome cameras are suitable for use in a wide range of environments, including airports, transit stations, hotels, health care and office complexes, university and college campuses, stadiums and other public venues.

VideoSphere PTZ Dome IP Cameras

VideoSphere PTZ MiniDome Camera

The PTZ MiniDome offers flexible mounting options and is ruggedized to ensure high performance in challenging environments. A maximum D1 resolution using H.264 / MPEG-4 compression technology and an optical zoom of up to 10x ensures high quality video. Thanks to its high precision, pan/tilt drive and a rotation speed of as much as 360 degrees per second, the MiniDome enables extremely accurate and rapid camera positioning, and includes presets and guard tour functionality.

VideoSphere PTZ MegaDome Camera

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

VideoSphere Indoor/Outdoor PTZ Dome Cameras

The Indoor and Outdoor PTZ domes offer flexible mounting options and are designed to to ensure high performance in challenging environments. They deliver D1 resolution at real-time frame rates using H.264 / MPEG-4 compression technology and an optical zoom of up to 26x. A True Day/Night capability with removable IR filter provides exceptional night time viewing. Both PTZ dome cameras have optional, embedded video analytics that enable operations control centers to receive immediate, intelligent alerts. Up to thirty-two privacy masks can be configured to cover sensitive and private areas within the cameras' overall rotation view.

High quality, 2 megapixel video   16x optical zoom   Unlimited digital zoom for post event reconstruction

North America	1 800 563 5564
Latin America	+1 613 591 8181
Europe, Middle East and Africa	+39 0362 17935
Asia Pacific	+61 1300 089 419

www.marchnetworks.com

March Networks EMEA
Via Lavoratori Autobianchi, 1
Edificio 23
20033 Desio - Milano - ITALY
Phone: +39 0362 17935
Fax: +39 0362 1793590

March Networks
Corporate Headquarters
303 Terry Fox Drive
Ottawa, Ontario - CANADA K2K 3J1
Phone: +1 613 591 8181
Fax: +1 613 591 7337

MARCH
n e t w o r k s