Video**Sphere**
CAMPX

VideoSphere® CamPX Fixed IP Cameras from March Networks® combine D1 resolution and real-time video delivery with outstanding bandwidth and storage efficiency. These cameras provide fully compressed H.264 digital video for unmatched image quality and color reproduction in a variety of lighting conditions. A range of optional video analytics and other powerful features are supported.

COST-SAVING DESIGN

All VideoSphere CamPX IP cameras use H.264 compression technology to deliver as much as 20 times the efficiency of comparable JPEG-based IP cameras. The compression technology enables organizations to archive higher quality video for longer periods of time while significantly reducing bandwidth and storage costs. The cameras' Power over Ethernet (PoE) design allows easy installation without the burden of additional cables for power. Advanced features improve operational efficiency and performance, such as the ability to update camera software remotely over the network.

ANALYTICS-READY

To help organizations increase the value of the video and data being captured, the CamPX and CamPX MiniDome cameras support embedded video analytics available as part of the VideoSphere Intelligent Video Management solution. These advanced applications range from Left Object Detection and Facial Detection to Queue Length Monitoring and Perimeter Protection. They allow organizations to improve customer service, marketing and security efforts and respond quickly to unusual or suspicious events. System health analytics include Camera Tampering Alarm and Camera Alignment Detection, which alert maintenance staff to moved, obscured, covered or spray-painted cameras.

FLEXIBLE CONFIGURATION

VideoSphere CamPX IP cameras use a sophisticated, adaptive transmission algorithm to automatically select the video stream that best maximizes the network bandwidth available. For example, each video stream can be configured for frame rate, quality and resolution so that 2 Mbit; D1 could be used for real-time recording, 256 Kbit; CIF for an ADSL connection, and 10 Kbit; QCIF for wireless cellular networks. A manual override capability lets users select the parameters required for a specific application.

Combined with industry-standard PoE capabilities and advanced compression techniques, the VideoSphere family of fixed IP cameras is a valuable addition to any network environment. The cameras are supported by March Networks' Video Management System (VMS) and hybrid NVR platforms working together with VideoSphere SiteManager desktop application software for comprehensive video monitoring, recording and playback.

Different camera models are available to meet varying application requirements. The CamPX MiniDome with True Day Night (TDN) and integrated IR LEDs make it an ideal choice for low light applications. The CamPX standard camera offers TDN capability and Wide Dynamic Range (WDR) with programmable features that provide superior images for scenes with a mixture of different lighting conditions.
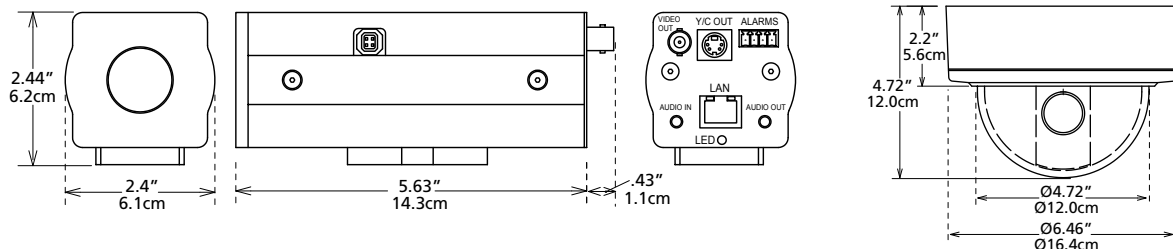
FEATURES

- D1 video quality
- H.264 video compression to maximize efficient use of bandwidth and storage
- Real-time video streaming up to 30 fps (NTSC) / 25 fps (PAL)
- Multi streaming H.264 and MPEG-4 compression
- Support for a range of embedded analytic applications
- Cost-efficient Power over Ethernet
- Standard version with TDN camera/lens and fully programmable WDR technology
- Minidome version with TDN camera/lens and integrated IR lighting
- Web browser for remote viewing and programming
- User name and password protection for enhanced security
- RTP/RTSP support

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Intelligent Video Management

Model	CamPX	CamPX MiniDome
Sensor type	1/3" CMOS WDR Progressive Scan	1/3" Sony Double Scan CCD
Lens	C / CS Mount (not included)	3.3 -12 mm Varifocal DC Iris
Light sensitivity – color	0.8 lux	0.2 lux
Slow shutter mode sensitivity (day/night auto)[1]	< 0.08 lux	0.0001 lux (with built-in IR LED array)
Dynamic range	120 dB	> 96 dB
Signal-to-noise ratio	> 48 dB	> 48 dB
White balance	Auto tracking, manual, preset	Auto (ATW), push lock, user selectable
Backlight compensation	Yes	Yes
AGC, Auto Iris	Yes	Yes
Embedded analytics	Optional	Optional
Privacy masking	Yes	Yes
Video outputs	NTSC / PAL selectable (Analog 75Ω and S-Video)	
Compression	H.264 / MPEG-4	H.264 / MPEG-4
Max. resolution	D1; 720x480 (NTSC) / 720x576 (PAL)	D1; 720x480 (NTSC) / 720x576 (PAL)
Max. frame rate	30 fps (NTSC) / 25 fps (PAL)	30 fps (NTSC) / 25 fps (PAL)
Audio	Two-way	One-way
Alarm	1	1
Relay	1	1
Supported protocols	RTP/RTSP, IPv4, HTTP, TCP, UDP, RTCP, DHCP, ARP, NTP	RTP/RTSP, IPv4, HTTP, TCP, UDP, RTCP, DHCP, ARP, NTP
Network interface	Ethernet 10/100 Mbps	Ethernet 10/100 Mbps
Power supply	12 VDC / PoE Class 2	12 VDC / PoE Class 2; Class 0 with IR
Power consumption	5 W	10 W
Operating temperature	32 to 122°F / 0 to 50°C	14 to 122°F / -10 to 50°C
Relative humidity	8 - 90% non-condensing	8 - 90% non-condensing
Weight	1.2 lbs / 0.5 kg	2.9 lbs / 1.3 kg
Dimensions (no lens) (HxWxD)	2.44 x 2.4 x 6.06 in. / 6.2 x 6.1 x 15.4 cm	4.72 (h) x 6.46 (d) in. / 12.0 (h) x 16.4 (d) cm
Mounting options	1/4" x 20 (top or bottom)	Hard surface
Mounting accessories	Wall mount	Flush, wall, pendant, corner and pole mounts
Environment	Indoor	Indoor / outdoor (IP66)
Certifications	UL/CSA 60950-1 (CamPX model only); CE – EMC Directive 2004/108/EC, Standards EN55022, EN55024, EN50130-4, FCC Part 15 Subpart B, ICES-003, C-tick	

NOTE: [1] With IR cut filter removed.

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