Video**Sphere**
MEGAPX

The **VideoSphere® MegaPX WDR MiniDome** from March Networks® is a fixed, IP dome camera that provides high-definition (HD) video surveillance (1080p) in challenging indoor lighting conditions.

ONVIF

CLEARER, BRIGHTER IMAGES IN ADVERSE LIGHTING CONDITIONS

The MegaPX WDR MiniDome camera's powerful combination of Wide Dynamic Range (WDR) and progressive scan in high resolution delivers excellent image quality, even in bright backlight situations. Typically, there is a tradeoff between HD and WDR, but the MegaPX WDR MiniDome incorporates the benefits of both.
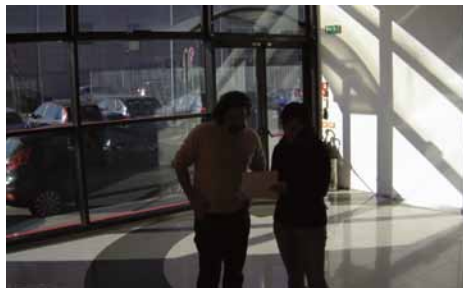
EASY INSTALLATION AND SET-UP

The camera's Power over Ethernet (PoE) design eases installation by eliminating the need for additional cables for power. In addition, its extensive field of view makes it easy to set up and adjust.

SYSTEM INTEGRATION

The MegaPX WDR MiniDome seamlessly integrates with all software and hardware recording solutions offered by March Networks. The camera is also ONVIF-compliant, allowing it to be used with a variety of third-party systems.

VIDEO STREAMING

The WDR MiniDome's support for H.264 compression technology results in up to 20 times the efficiency of comparable JPEG-based IP cameras. This allows for archiving of higher-quality video for longer periods of time, while significantly reducing bandwidth and storage costs. In addition, the camera is able to encode H.264 and M-JPEG streams simultaneously, in real time, at superb quality levels and low bit rates.

BUILT-IN REDUNDANCY

The MegaPX WDR MiniDome can record a video stream to an internal microSDHC card or to a NAS device to provide redundant recording in the event of a network outage or server failure. When the camera is used with March Networks Command or VideoSphere VMS software and hybrid NVRs[1], an innovative Shadow Archiving feature provides seamless access to redundant video for total fail-safe management. It does this by forming a "shadow" on the central recording server of all the data available on the camera and NAS devices.

FEATURES

- **HD** 1080p video quality for high-resolution color and clarity
- Wide Dynamic Range
- Progressive scan CMOS sensor
- 3.5–9 mm varifocal DC iris
- Automatic day/night
- Shadow Archiving™ with microSDHC or NAS
- ONVIF™ compliant for open integration with third-party systems
- Power over Ethernet (PoE)
- Up to two simultaneous H.264 and M-JPEG compression streams
- Surface, flush/drop ceiling, and electrical box mounting options
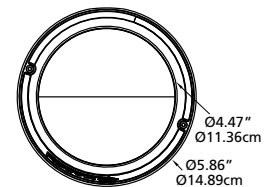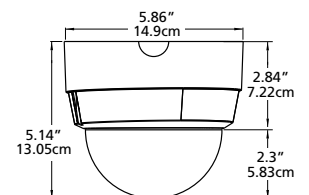- Indoor applications

PART NUMBERS

Cameras
- MEGAPXMINIWDRI

Mounts and Adaptors
- MPMINIWDRIFMA – Indoor flush/drop ceiling mount adaptor
- CAMDOME-ELECTMNT– Electrical plate adaptor

5.86"
14.9cm

2.84"
7.22cm

5.14"
13.05cm

2.3"
5.83cm

Ø4.47"
Ø11.36cm

Ø5.86"
Ø14.89cm

MegaPX WDR MiniDome with WDR on

MegaPX WDR MiniDome with WDR off

MARCH networks

VideoSphere WDR MiniDome

Technical Specifications

CAMERA

Image Sensor	1/2.7" 2 Megapixel CMOS progressive scan
Wide Dynamic Range	95dB
Lens	3.5-9 mm, f1.2, varifocal auto iris Automatic day/night Angle of view: 70.2°-32.7° (horizontal)
Minimum Illumination	Color: 0.3 lux at 30 IRE, F1.2 B/W: 0.02 lux at 30 IRE, F1.2
Shutter Time	1/10000 s to 1s
Camera Angle Adjustment	Pan 360°, tilt 85°, rotation 180°
Pan/Tilt/Zoom	Digital pan, tilt and zoom via VideoSphere SiteManager and Command

VIDEO

Video Compression	H.264 (MPEG-4 Part 10/AVC), M-JPEG
Resolution	1920x1080p to 352x288 (CIF)
Frame Rate	
H.264	30 fps in all resolutions
M-JPEG	30 fps in all resolutions
Video Streaming	Multi-stream H.264 and M-JPEG Controllable frame rate and bandwidth CBR H.264; VBR H.264 and M-JPEG (quality settings) Up to two simultaneous streams[2]
Image Settings	WDR, auto iris, white balance mode, brightness, contrast, saturation, hue, sharpness, auto day/night, mirror mode, frame rate base

AUDIO

Audio Streaming	Two-way
Audio Compression	G.711 PCM G.726 ADPCM Configurable bit rate
Audio Input/Output	Mono mic in/stereo line out

NETWORK

Security	Password protection, connection management, LDAP authentication, HTTPS encryption (configuration only)
Supported Protocols	ONVIF, RTP, RTSP, RTCP, HTTP, HTTPS, IPv4, TCP, UDP, DHCP, ARP, LDAP

SYSTEM INTEGRATION

Intelligent Video	Video motion detection, connection monitoring
Alarm Triggers	Video motion detection, external input
Alarm Events	External output activation Video recording to local storage (microSDHC) Video recording to NAS

GENERAL

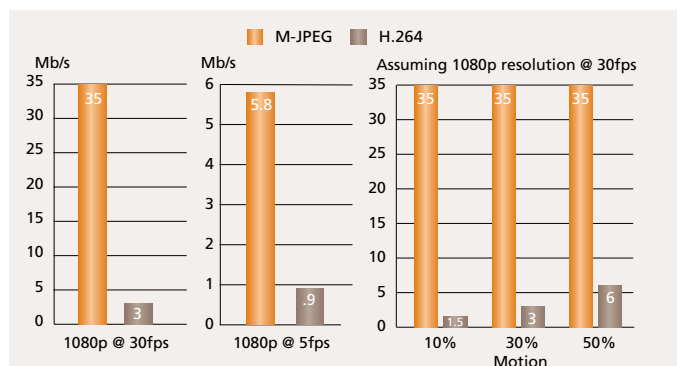|	
Housing	Polycarbonate housing and transparent dome cover.
Power	Power over Ethernet IEEE 802.3af Class 2 (max 6.5 W); 12VDC (max 5W) / 24VAC
Connectors	RJ-45 for T/100BASE-TX PoE; 1 alarm input; 1 alarm output audio line in; audio line out
Local Storage	microSD/microSDHC memory card slot (card not included)
Operating Conditions	14° to 122°F /-10° to 50°C 8 – 90% Relative Humidity, non-condensing
Regulatory Approvals	UL 60950-1; CE – EMC Directive 2004/108/EC; Standards EN55022; EN55024; FCC Part 15 Subpart B; ICES-003; RoHS Directive (2002/95/EC); C-Tick; Low Voltage Directive 2006/96/EC
Mechanical	
Weight	1.98 lbs / 0.9 kg
Dimensions (HxD)	5.14 x 5.86 in. / 13.1 x 14.9 cm
Mounting Options	Surface, flush, drop ceiling, electrical box mounts
Included Accessories	Software CD (including documentation, VideoSphere SiteManager and browser), mounting template, security screws, torx Allen key, wall anchors, power cable

NOTES: [1]Shadow Archiving not available with 4000 C Series NVRs or 3204 DVR.
[2]Maximum 1080p on stream 1; maximum D1 on stream 2.