MegaPX WDR Fixed Camera

The **MegaPX WDR fixed camera** from March Networks® delivers megapixel image quality with the efficiency of H.264 streams in real-time, and the flexibility of True Day/Night (TDN) for indoor and outdoor environments. It includes a Progressive Scan CMOS sensor, and offers a choice of lenses and environmental housings to best meet your application needs. The camera can deliver 3MP resolution and incorporates Wide Dynamic Range (WDR) for excellent image quality, even in bright backlight situations.

MEGAPIXEL IMAGES IN ADVERSE LIGHTING CONDITIONS

The MegaPX WDR camera's powerful combination of WDR and TDN technology, plus progressive scan in high resolution, delivers excellent image quality, even in bright backlight and extreme low-light conditions.
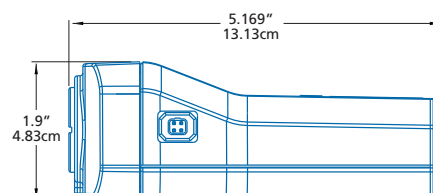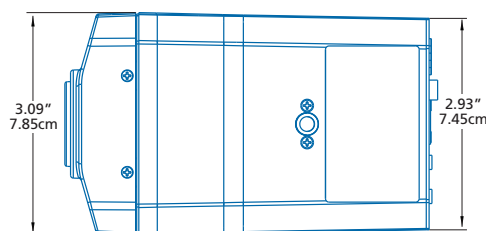
EASY TO INSTALL; EASY ON YOUR NETWORK

The camera's support for Power over Ethernet (PoE) allows for easy installation without the burden of additional cables for power, providing substantial savings in installation time and costs. In addition, the MegaPX WDR supports H.264, the most efficient video compression technique available; it yields high video quality and frame rate at low bandwidth.

YOUR VIDEO IS ALWAYS AVAILABLE, EVEN WHEN YOUR NETWORK ISN'T

The camera's ability to record to an internal microSDHC card or to a Network Attached Storage (NAS) device provides redundant recording in the event of a network outage or server failure. When the camera is used with March Networks Command™ or a 7000 Series Hybrid NVR, an innovative Shadow Archive™ feature allows for seamless access to that recorded video for total fail-safe management. Once the network is restored, the "missing" archive (video and audio) is reintegrated back into the recording server.

ACCESSORIES THAT MEET YOUR NEEDS

March Networks offers two different lens options — both Day/Night with manual iris — with the MegaPX WDR to provide optimal scene coverage for your facility. The 1.8 – 3 mm ultra wide-angle lens is perfect for wide coverage, and the 2.8 – 8 mm varifocal lens works best for standard coverage. Users can also source their own lens of preference. In addition, the camera's optional environmental housing enables you to expand your surveillance outdoors in conditions as low as -40°F/-40°C.

3.09"
7.85cm

2.93"
7.45cm

5.169"
13.13cm

1.9"
4.83cm

FEATURES

- 3MP resolution (up to 15 fps @ max resolution, 30 fps @ 1080p)
- Wide Dynamic Range
- True Day/Night for superior low-light performance
- Shadow Archiving with microSDHC or NAS
- 1 alarm in / 1 alarm out
- Active video tampering
- ONVIF™ certified for open third-party integrations
- Dual-streaming H.264 and M-JPEG
- Power over Ethernet or 12VDC
- Optional environmental housing with operating temperatures of -40 to 122°F / -40 to 50°C

PART NUMBERS

CAMERA
- 25552 – MegaPX WDR Camera
- HOWSCAMWB – Wall Mount

LENSES
- 26483 – Wide Angle Lens
- 26482 – Varifocal Lens

HOUSING
- 26481 – Environmental Housing
- 26485 – Wall Mount for Housing
- 26486 – Ceiling Mount for Housing
- 26480 – 115/220VAC Power Supply

MegaPX WDR Fixed Camera

CAMERA

Image Sensor	1/2.8" 3MP progressive scan CMOS
Lens*	
Wide Angle	3–5MP resolution, 1.8–3mm, F1.8, Day/Night, manual iris, ultra wide-angle with low distortion, CS mount, angle of view: 110°–82° (horizontal)
Varifocal	3MP resolution, 2.8–8mm, F1.2, Day/Night, manual iris, CS mount, angle of view: 85°–36° (horizontal)
Wide Dynamic Range	95dB
Day and Night	Automatically removable infrared cut filter
Minimum Illumination	Color: 0.2 lux @ F1.2 B/W: 0.02 lux @ F1.2
Shutter Time	1 to 1/10000 s
White Balance	Manual/automatic

VIDEO

Video Compression	H.264 (MPEG-4 Part 10/AVC); M-JPEG
Resolution	2048 x 1536 (3MP) to 352 x 288 (CIF)
Frame Rate	15 fps @ 3MP; 30 fps @ 1080p
Video Streaming	Dual-stream H.264 and M-JPEG (full resolution on stream 1; maximum D1 on stream 2) Controllable frame rate and bandwidth CBR/VBR H.264; VBR M-JPEG (quality settings)
Image Settings	WDR, anti-flicker, white balance mode, brightness, contrast, saturation, hue, sharpness, auto day/night, mirror mode, auto-iris

AUDIO

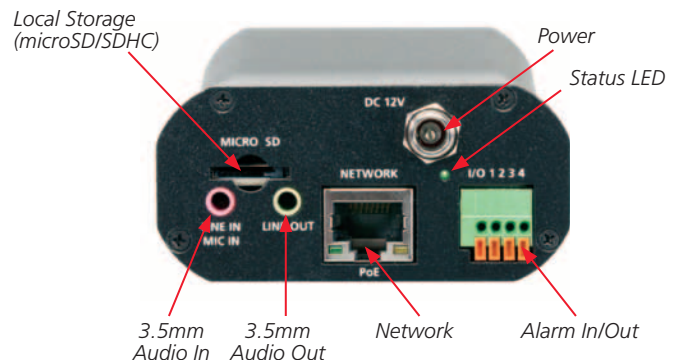|	
Audio Streaming	Two-way
Audio Compression	G.711 PCM; G.726 ADPCM; Configurable bit rate (8–48 kHz)
Audio Input/Output	Mono line input/mic, stereo line level output

NETWORK

Security	Password protection, IP address filtering, connection management, LDAP authentication, HTTPS encryption (configuration only)
Supported Protocols	ONVIF, RTP, RTSP, RTCP, HTTP, HTTPS, IPv4, TCP, UDP, DHCP, ARP, LDAP
Interface	10/100Mbps Ethernet (RJ-45)
Internet Browser	Internet Explorer (7.0+)

SYSTEM INTEGRATION

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

GENERAL

Housing	Black powder-coated aluminum
Power	Power over Ethernet Class 2; 12VDC
Power Consumption	4W
Local Storage	MicroSD/SDHC memory card slot (card not included)
Auto Iris	DC drive
Operating Conditions	
No Housing	32 to 122°F / 0 to 50°C Relative Humidity 8–90%, non-condensing
Optional Housing	-40 to 122°F / -40 to 50°C
Regulatory Approvals	FCC Part 15 Subpart B; CE EN55022, EN55024; ICES-003; RoHS Directive (2002/95/EC); C-Tick
Mechanical	
Weight	0.66 lbs / 0.3 kg
Dimensions (WxLxH)	3.09 in x 5.16 in x 1.9 in / 7.85 cm x 13.13 cm x 4.83 cm
Included Accessories	C-Mount adaptor, L-wrench, and software CD
Optional Accessories	Wide angle and varifocal lenses Wall mount bracket Environmental housing Ceiling and wall mount brackets for housing Power supply for housing

Local Storage (microSD/SDHC)

Power

Status LED

MICRO SD

DC 12V

NETWORK

I/O 1 2 3 4

LINE IN MIC IN

LINE OUT

PoE

3.5mm Audio In

3.5mm Audio Out

Network

Alarm In/Out

* These are the specifications for the lenses provided by March Networks.
  Customers can use a March Networks lens or source their lens of preference.

MARCH networks