

# MegaPX MicroDome 2

The **March Networks® MegaPX MicroDome 2** offers best-in-class Wide Dynamic Range (WDR) and 3MP resolution in a dome configuration for indoor and outdoor applications. The camera's exceptional WDR technology captures crystal-clear images in environments with large windows, bright light, and potential glare. Its P-Iris maintains image sharpness, even in varying outdoor lighting conditions, and the remote zoom and focus allow users to adjust the viewing angle over the network — eliminating the need for manual focusing. Multiple H.264 and M-JPEG video streams can be recorded simultaneously.



## HD 720P UP TO 3MP RESOLUTION

The MegaPX MicroDome 2 offers high-resolution 3MP video (up to 30 fps) for crystal clear images and phenomenal detail. It is also a high-definition (HD) camera that delivers 720p or 1080p resolution for a sharp display that you can count on.

## CLEAR IMAGES IN ALL LIGHTING CONDITIONS

The camera's powerful combination of WDR and True Day/Night (TDN) technology, plus progressive scan in high resolution, ensures excellent image quality, even in bright backlight and extreme low-light conditions. The P-Iris also allows for images with better contrast, clarity, resolution and depth of field.

## EASY TO INSTALL; EASY ON YOUR NETWORK

The camera's support for Power over Ethernet (PoE) eliminates the need for additional power cables, making it easy to install and resulting in substantial time and cost savings. Its remote zoom/focus feature means you will never have to adjust focal length and focus settings from the top of a ladder. Instead, you can zoom in on the scene and focus the camera with a simple mouse click. In addition, the camera supports H.264, the most efficient video compression technique available; it yields high video quality and frame rate at low bandwidth.

## NEVER LOSE VIDEO

The MegaPX MicroDome 2 can record to an internal microSDXC to ensure redundant recording in the event of a network outage or server failure. When the camera is used with March Networks Command Recording Server, an innovative Shadow Archive™ feature re-integrates the "missing" video and audio in the right spot, for total fail-safe management.

## ENGINEERED FOR HARSH ENVIRONMENTS

The MegaPX MicroDome 2 is protected by an IP66, vandal-resistant casing, allowing it to operate in temperatures as low as -40°F (-40°C), and as high as 140°F (60°C). Additionally, the dome's enclosure has an IK10 impact protection rating — one of the highest impact resistance ratings available — which means the internal camera is safeguarded from external strikes. The camera can also alert users if it is redirected, blocked, manipulated or otherwise disturbed.

## FEATURES

- HD 3MP resolution (up to 30 fps @ max resolution)
- Best-in-class WDR
- Remote motorized zoom and focus lens
- P-Iris
- Active video tampering
- TDN for superior low-light performance
- Shadow Archiving™ with microSDXC
- Dual-streaming H.264 and M-JPEG
- ONVIF S-compliant for open integration with third-party systems
- Operating temperatures of -40° to 140°F (-40° to 60°C)
- Vandal-resistant, impact-resistant (IK10) and weather-proof (IP66) housing
- Pendant, wall, pole, and corner mounts
- Power over Ethernet (PoE) or 24VAC

## PART NUMBERS

### DOMES

- 30824 – MegaPX MicroDome 2

### MOUNTS

- 30332 – 1.5" NPT mount adaptor with sunshield
- HOMINIDOMESMA – Pendant mount
- HOMINIDOMEWB – Wall mount
- HOMINIDOMEPPMA – Pole adaptor
- 27639 – Corner adaptor

## Outstanding Clarity

The MegaPX MicroDome 2 delivers up to 3MP resolution (30 fps @ maximum resolution).



*The MegaPX MicroDome 2's high resolution provides greater detail and better possibilities for identification. In addition, the camera can cover larger areas than non-megapixel cameras.*



*When reviewing live or recorded video, the MegaPX MicroDome 2 allows you to digitally zoom in on a specific area, with no loss of definition, to capture important details such as facial features or a license plate number.*

## Clear Images in Harsh Lighting

The MegaPX MicroDome 2 offers Wide Dynamic Range (WDR) to overcome the many lighting challenges that can exist in a scene, including intense backlighting, shadows and glare from reflective surfaces such as windows and floors.

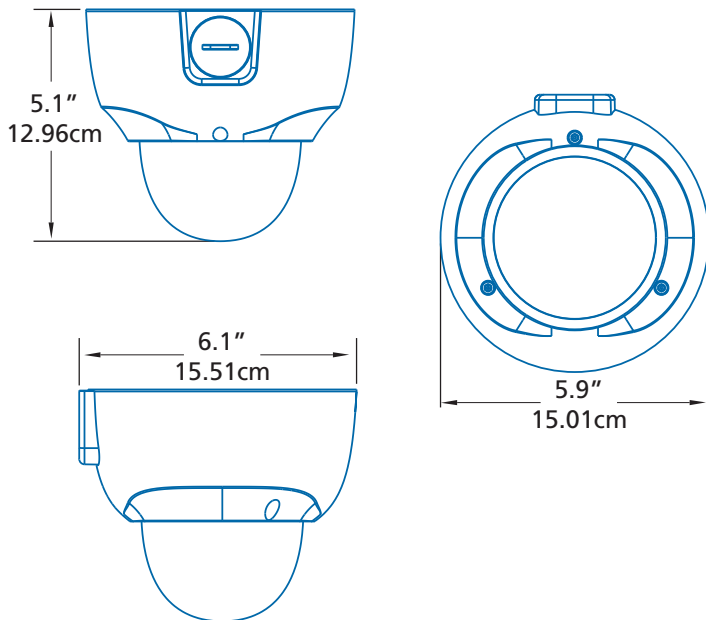
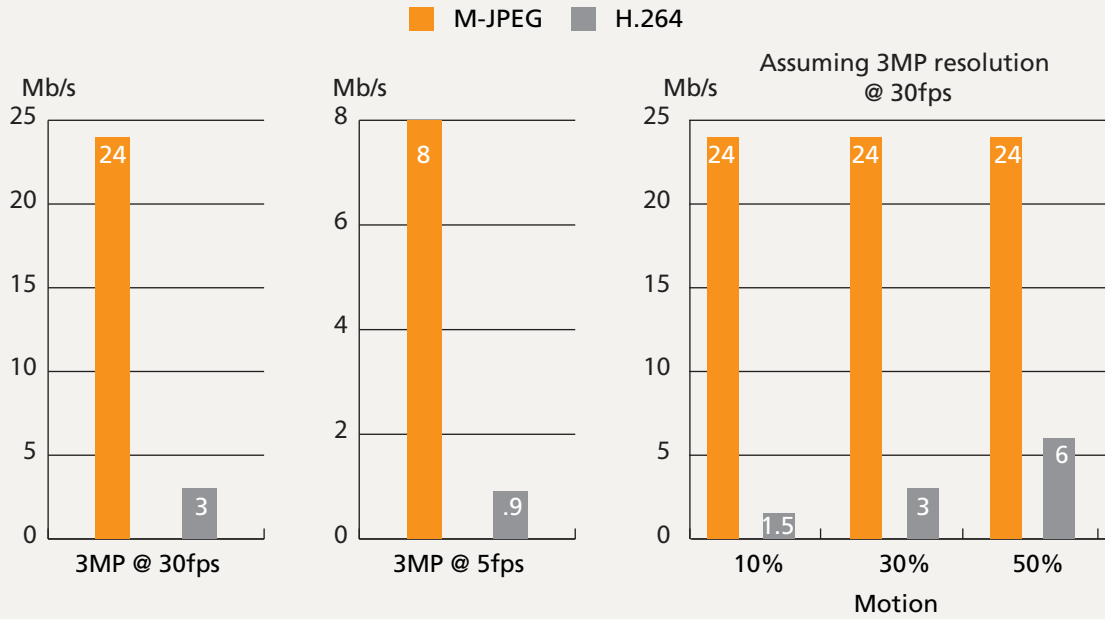


**WDR Off:** *Without WDR, subjects appear silhouetted, details and definition are lost, bright areas are overexposed and dark areas are underexposed.*








**WDR On:** *The WDR technology allows the pixels in the bright and dark areas to adjust automatically to eliminate over and under exposure. Color is improved, both in the foreground and in the background. Details are in focus and subjects can be positively identified.*

Our cameras support H.264 compression. The most efficient video compression technique available, H.264 yields full frame rate and high video quality at low bandwidth.



### MOUNTING OPTIONS

	Part Number
	<b>30332</b> 1.5" NPT Mount Adaptor with Sunshield
	<b>HOMINIDOMESMA</b> 1.5" NPT Pendant Mount
	<b>HOMINIDOMEWB</b> 1.5" NPT Wall Mount
	<b>HOMINIDOMEPPMA</b> Pole Adaptor
	<b>27639</b> Corner Adaptor

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## CAMERA

<b>Image Sensor</b>	1/2.8" 3MP progressive scan CMOS
<b>Wide Dynamic Range</b>	95 dB
<b>Lens</b>	3–9 mm, F1.2 with motorized zoom/focus, P-iris. Angle of view: 33.5°-83.2° (horizontal)
<b>Minimum Illumination</b>	Color: 1.57 lux B/W: 0.03 lux
<b>Shutter Time</b>	1/25 to 1/1000 sec
<b>Camera Angle Adjustment</b>	Pan 360°, tilt 156°, rotation 360°
<b>Pan/Tilt/Zoom</b>	Optical zoom 3X; digital PTZ via Command
<b>White Balance</b>	Manual/automatic

## VIDEO

<b>Video Compression</b>	H.264 (MPEG-4 Part 10/AVC); M-JPEG
<b>Resolution</b>	2048 x 1536 (3MP) to 352 x 288 (CIF)
<b>Frame Rate</b>	Up to 30 fps @ 3MP
<b>Video Streaming</b>	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)
<b>Image Settings</b>	Wide Dynamic Range, anti-flicker, white balance mode, brightness, contrast, saturation, hue, sharpness, auto day-night, mirror mode, privacy patches, 3D noise reduction

## AUDIO

<b>Audio Streaming</b>	Two-way stereo
<b>Audio Compression</b>	G.711 PCM G.726 ADPCM Configurable bit rate (8-48 kHz)
<b>Audio Input/Output</b>	Stereo line in; stereo line out

## NETWORK

<b>Security</b>	Password protection, IP address filtering, connection management, LDAP authentication, HTTPS encryption (configuration only), 802.1X, smartcard/USB token
<b>Supported Protocols</b>	ONVIF S, RTP, RTSP, RTCP, HTTP, HTTPS, IPv4, TCP, UDP, DHCP, ARP, LDAP, 802.1X
<b>Interface</b>	10/100Mbps Ethernet (RJ-45)
<b>Internet Browser</b>	Internet Explorer (9.0+ Windows only); Google Chrome (Windows only); Safari 5 (Mac OS X 10.6 only)

## SYSTEM INTEGRATION

<b>Intelligent Video</b>	Video motion detection, connection monitoring, active tampering
<b>Alarm Triggers</b>	Video motion detection, external input
<b>Alarm Events</b>	External output activation Video recording to local storage microSDXC

## GENERAL

<b>Housing</b>	Polycarbonate transparent bubble Aluminum inner camera module with encapsulated electronics IP66, ingress protection IK10, protection rating
<b>Power</b>	Power over Ethernet (PoE) IEEE 802.3af Class 0; 24VAC
<b>Power Consumption</b>	4W (heater off), 12W (heater on)
<b>Connectors</b>	RJ-45 100BASE-TX PoE; 1 alarm input; 1 alarm output; 3.5mm line in; 3.5mm line out
<b>Local Storage</b>	microSDXC memory card slot (card not included)
<b>Operating Conditions</b>	-40° to 140°F / -40° to 60°C
<b>Regulatory Approvals</b>	CE – EMC Directive 2004/108/EC, Standards EN55022, EN55024; Low Voltage Directive 2006/95/EC; FCC Part 15 Subpart B, ICES-003; UL 60950-1; RoHS Directive (2011/65/EU); C-tick, IP66, IK10; WEEE
<b>Mechanical Weight</b>	2.98 lbs / 1.35 kg
<b>Dimensions (HxD)</b>	5.1 x 5.9 in. / 12.96 x 15.01 cm
<b>Direct Mounting Options</b>	Surface mount with side and bottom cable access
<b>Indirect Mounting Options (sold separately)</b>	1.5" NPT mount adaptor (with sunshield), pendant mount, wall mount, pole adaptor, corner adaptor
<b>Included Accessories</b>	Software CD (including documentation, browser, and Command applications), screwdriver, screws, wall anchors, mounting template