

# MegaPX WDR MiniDome Z2



The **MegaPX WDR MiniDome Z2** from March Networks® is an economical, fixed indoor IP camera with a remote zoom/focus lens for easy set-up. It combines high-definition (HD) video resolution with powerful Wide Dynamic Range (WDR), for excellent image quality in all lighting conditions. It is an ideal alternative to similarly-priced analog cameras, offering all the advantages of IP video, and is a perfect complement to the March Networks 8000 Series Hybrid NVR platform.



## NO COMPROMISE IP VIDEO MIGRATION

For cost-conscious organizations ready to start migrating to the IP camera world, the MegaPX WDR MiniDome Z2 delivers IP video capabilities and an upgrade to HD video from standard-definition analog video at an exceptional price.

## SYSTEM INTEGRATION

The MegaPX WDR MiniDome Z2 integrates seamlessly with March Networks Command™ video management software and high-performance hybrid NVRs to provide convenient browser-based management. The camera is also ONVIF S-compliant, allowing it to be used with a wide range of third-party systems.

## VIDEO STREAMING

The camera's support for H.264 compression technology results in up to 20 times the efficiency of comparable JPEG-based IP cameras. This enables the archiving of higher-quality video for longer periods of time, while significantly reducing bandwidth and storage costs. The MegaPX WDR MiniDome Z2 can stream at

30 fps at maximum resolution, and record video independently to an optional SD High Capacity (microSDHC) card. In addition, the camera can accommodate dual H.264 and M-JPEG streams simultaneously in real time to address different live or recording applications.

## CAMERA RECORDING

The camera's ability to stream in parallel to an internal microSDHC card ensures redundant recording in the event of a network outage or server failure. When used with our Command software and hybrid NVRs<sup>1</sup>, the solution's 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 the camera's microSDHC card

## ECONOMICAL AND FLEXIBLE

Power over Ethernet (PoE) simplifies the installation of the camera by eliminating the need for additional cables for power. The camera is quick and easy to install, and the pan/tilt position of its lens can be manually adjusted to deliver an even more flexible application.

## FEATURES

- 1080p or 720p image
- Best-in-class WDR
- True Day/Night
- Alarm and audio I/O
- Active video tampering
- Privacy masks
- Progressive scan CMOS sensor
- Remote zoom/focus, 3-10.5mm, DC iris lens
- Vandal resistant
- Shadow Archiving with microSDHC
- ONVIF S-compliant for open integration with third-party systems
- Simultaneous H.264 and M-JPEG compression streams
- Surface mount
- Easy to install
- Power over Ethernet
- March Networks Cloud support

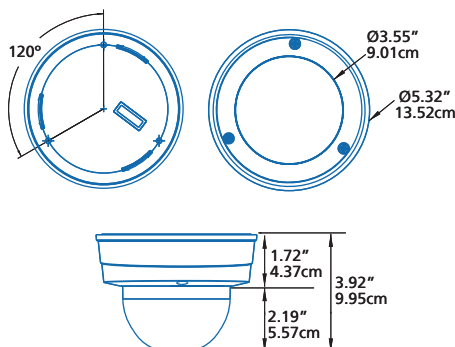
## PART NUMBERS

### CAMERA

- 31571 - 2MP
- 31571-SD - 1MP

### ACCESSORIES

- 28319 – Indoor Flush Mount Adaptor
- 30327 – 1.5" NPT Mount Adaptor
- HOMINIDOMESMA – Pendant Mount
- HOMINIDOMEWB – Wall Mount
- HOMINIDOMEPPMA – Pole Adaptor
- 28317 – Indoor Electrical Plate Adaptor (Surface)
- 30323 – Side Cable Access Housing
- 27639 – Corner Adaptor
- 27392 – Tinted Bubble (10 Pack)



# MegaPX WDR MiniDome Z2

## CAMERA

<b>Image Sensor</b>	1/2.7" CMOS progressive scan
<b>Lens</b>	3-10.5mm, F1.2, DC iris, remote zoom/focus, Angle of view: 30°–100°(horizontal)
<b>Minimum Illumination</b>	Color: 0.6 lux @ F1.2 (30IRE, AGC on) B/W: 0.01 lux @ F1.2 (30IRE, AGC on)
<b>Wide Dynamic Range</b>	100dB
<b>Shutter Time</b>	1/25 to 1/10000 sec
<b>Camera Angle Adjustment</b>	Pan 360°, Tilt 156°, Rotation 360°

## VIDEO

<b>Video Compression</b>	H.264, M-JPEG
<b>Resolution: 31571</b>	1080p (1920x1080) to CIF (352x288)
<b>31571-SD</b>	720p (1280 x 720) to CIF (352x288)
<b>Frame Rate: 31571</b>	Up to 30 fps @ 1080p
<b>31571-SD</b>	Up to 30 fps @ 720p
<b>Video Streaming</b>	Dual-stream H.264 and M-JPEG (1080p or 720p on stream 1; 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, mirror mode, privacy masks, motion detection

## AUDIO

<b>Audio streaming</b>	two way
<b>Audio Compression</b>	G.711 PCM, G.726 ADPCM, configurable bit rate
<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)
<b>Supported Protocols</b>	ONVIF S, RTP, RTSP, RTCP, HTTP, HTTPS, IPv4, TCP,UDP,DHCP,ARP,LDAP,802.1X









## SYSTEM INTEGRATION

<b>Intelligent Video</b>	Video motion detection, active tampering
<b>Alarm Triggers</b>	Video motion detection, active tampering, external input
<b>Alarm Events</b>	Video recording to local storage (microSDHC); external output activation

## GENERAL

<b>Housing</b>	Light-weight, durable vandal-resistant, indoor plastic housing
<b>Power</b>	Power over Ethernet IEEE 802.3af Class 0
<b>Connectors</b>	Female RJ-45 100BASE-TX PoE, 1 alarm input, 1 alarm output, audio line in, audio line out
<b>Local Storage</b>	microSDHC memory card (not included)
<b>Operating Conditions</b>	14 to 122°F / -10 to 50°C, 0–90% relative humidity non-condensing
<b>Regulatory Approvals</b>	CE – EMC Directive; 2004/108/EC; Standards EN55022; EN55024; FCC Part 15 Subpart B; ICES-003; UL-60950-1; ROHS2 (2011/65/EU); C-Tick; EN61000-3-2; WEEE
<b>Mechanical</b>	
<b>Weight</b>	1.1 lb / 0.5 kg
<b>Dimensions (HxD)</b>	3.92 x 5.32 in. / 9.95 x 13.52 cm
<b>Included Accessories</b>	Software CD (including Installation Guide and User Manual, March Networks SiteManager, and Browser), mounting template

## MOUNTING OPTIONS

	Part Number		Part Number
	<b>28319</b> Indoor Flush Mount Adaptor		<b>HOMINIDOME PMA</b> Pole Adaptor Also requires 30327 1.5" NPT Mount Adaptor and HOMINIDOMEWB Wall Mount
	<b>30327</b> 1.5" NPT Mount Adaptor		<b>28317</b> Indoor Electrical Plate Adaptor (Surface)
	<b>HOMINIDOME SMA</b> 1.5" NPT Pendant Mount Also requires 30327 1.5" NPT Mount Adaptor		<b>30323</b> Side Cable Access Housing
	<b>HOMINIDOME WB</b> 1.5" NPT Wall Mount Also requires 30327 1.5" NPT Mount Adaptor		<b>27639</b> Corner Adaptor

NOTES: <sup>1</sup> In order to take advantage of Shadow Archiving, this feature must also be supported on the recorder.

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