

CamPX WDR MiniDome



The **CamPX WDR MiniDome** from March Networks® is an economical, fixed indoor IP camera that combines high-quality, standard-definition (SD) video resolution with powerful Wide Dynamic Range (WDR) for excellent image quality in all lighting conditions. It is an excellent 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.



ONVIF

PURPOSE-BUILT FOR VARIABLE LIGHTING

The CamPX WDR MiniDome is designed specifically for high-performance in variable lighting environments, such as bank branches or retail stores that typically experience bright light from large windows during the day, and low-light conditions after hours. Its powerful WDR eliminates silhouettes and ensures clear video capture around-the-clock.

NO COMPROMISE IP VIDEO MIGRATION

For cost-conscious organizations ready to start migrating to the IP camera world, the CamPX WDR MiniDome delivers IP video capabilities at an analog price – without compromising on image quality, durability, or reliability.

SYSTEM INTEGRATION

The CamPX WDR MiniDome integrates seamlessly with March Networks Command™ video management software and high-performance hybrid NVRs to provide convenient browser-based management and innovations such as Shadow Archiving™ to ensure video is never lost. The camera is also ONVIF-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 CamPX WDR MiniDome can stream at 30 fps at maximum resolution, and record video independently to an optional SD High Capacity (microSDHC) card or a Network Attached Storage (NAS) device. 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 AND NAS RECORDING

The camera's ability to stream in parallel to an internal microSDHC card or NAS device ensures redundant recording in the event of a network outage or server failure. When used with our Command software and hybrid NVRs¹, 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 camera and NAS devices.

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

- High quality, standard definition image
- Best-in-class WDR
- True Day/Night
- Active video tampering
- Privacy masks
- Progressive scan CMOS sensor
- 2.8-12mm varifocal lens, DC-iris
- Shadow Archiving with microSDHC or NAS
- ONVIF-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

- 28050

CamPX WDR MiniDome

CAMERA

Image Sensor	1/3" CMOS progressive scan
Lens	2.8–12mm, F1.4, DC iris. Angle of view: 27.2°–92° (horizontal)
Minimum Illumination	Color: 1 lux @ F1.4 (30IRE, AGC on) B/W: 0.3 lux @ F1.4 (30IRE, AGC on)
Wide Dynamic Range	100dB
Shutter Time	1/25 to 1/10000 sec
Camera Angle Adjustment	Pan 360°, Tilt 90°, Rotation 90°

VIDEO

Video Compression	H.264, M-JPEG
Resolution	D1 (720x576) to CIF (352x288)
Frame Rate	Up to 30 fps @ D1
Video Streaming	Dual-stream H.264 and M-JPEG (D1 on stream 1; D1 on stream 2) Controllable frame rate and bandwidth CBR/ VBR H.264; VBR M-JPEG (quality settings)
Image Settings	Wide dynamic range, anti-flicker, white balance mode, brightness, contrast, saturation, hue, sharpness, mirror mode, privacy masks, motion detection

NETWORK

Security	Password protection, IP address filtering, connection management, LDAP authentication, HTTPS encryption (configuration only), 802.1X
Supported Protocols	ONVIF, RTP, RTSP, RTCP, HTTP, HTTPS, IPv4, TCP, UDP, DHCP, ARP, LDAP, 802.1X

SYSTEM INTEGRATION

Intelligent Video	Video motion detection, active tampering
Alarm Triggers	Video motion detection, active tampering
Alarm Events	Video recording to local storage (microSDHC); Video recording to NAS

GENERAL

Housing	Light-weight indoor plastic housing
Power	PoE IEEE 802.3af Class 0
Connectors	Female RJ-45 100BASE-TX PoE
Local Storage	MicroSDHC memory card (not included)
Operating Conditions	14 to 122°F / -10 to 50°C, 0–90% relative humidity non-condensing
Regulatory Approvals	CE – EMC Directive; 2004/108/EC; Standards EN55022; EN55024; EN50130-4; FCC Part 15 Subpart B; ICES-003; UL-60950-1; RoHS Directive (2002/95/EC); C-Tick
Mechanical	
Weight	1.06 lb / 0.48 kg
Dimensions (HxD)	3.88 x 5.31 in. / 9.85 x 13.5 cm
Included Accessories	Software CD (including Installation Guide and User Manual, March Networks SiteManager, and Browser), mounting template

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

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