CamPX Outdoor IP PTZ Dome

The **CamPX Outdoor IP PTZ Dome** from March Networks® combines high-quality video with powerful optical zoom capabilities and exceptional low-light performance, making it ideal for large area security monitoring. Designed for outdoor use, the dome is IP66 rated and includes built-in heaters to ensure reliable operation in harsh environments.

HIGH-QUALITY VIDEO WITH REAL-TIME FRAME RATE

The CamPX Outdoor IP PTZ Dome is an advanced IP camera capable of transmitting D1 resolution streams over the network at 30 fps in H.264. Its 1/4" progressive scan CCD sensor ensures exceptional detail and motion capture, while advanced functionalities like Wide Dynamic Range (WDR), Digital Slow Shutter, and True Day/Night (TDN) IR cut filter make it possible to capture high-quality images in varying light conditions, and environments as low as 0.01 lux.

POWERFUL PTZ CAPABILITIES

The dome features a stepping motor, which guarantees accurate and rapid positioning, with a rotation speed of up to 300° per second on presets. The combination of quality video and a 36X optical zoom provides an outstanding level of detail and allows you to monitor wide scenes with a single camera. The dome can store up to 255 presets and six guard tours.

SYSTEM INTEGRATION

The CamPX Outdoor IP PTZ seamlessly integrates with the March Networks Command™ Recording Server or 8000 Series Hybrid NVRs. In addition, the camera is ONVIF-compliant, allowing it to be used with a variety of third-party systems.

EXTREME TEMPERATURE PROTECTION

A compact environmental housing protects the internal camera, and allows it to operate in extreme temperatures ranging from -40 to 122°F / -40 to 50°C. The housing is vandal-resistant and IP66-rated.

FEATURES

- 1/4" CCD, auto zoom
- 36X optical zoom
- True Day/Night (TDN)
- Wide Dynamic Range (WDR)
- Electronic Image Stabilization
- Two simultaneous video streams: H.264 high profile and M-JPEG dual stream encoding
- ONVIF-compliant
- Standard definition network video output: up to 4CIF @ H.264/M-JPEG with 30 fps
- Storage to SD card
- Motion detection
- Alarm function (2 alarm inputs, 1 replay output)
- Up to 6 schedulable sensor profiles
- Recording on schedule and event
- Schedulable PTZ actions
- Bi-directional audio
- Shadow Archiving™
- Upgrade online
- IP66 environmental rating, with built-in heater and air cycle system
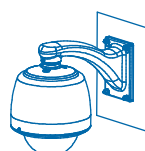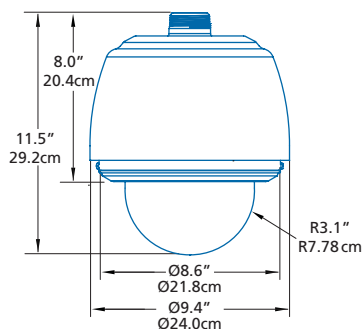
PART NUMBERS

CAMERAS
- 30670 – 36X, NTSC

MOUNTS
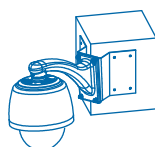- 30871 – Wall mount, 10-inch horizontal, 1.5" NPT
- 30872 – Corner mount, 10-inch horizontal,1.5" NPT
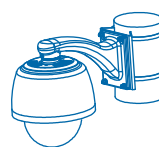- 30902 – Pole mount, 15-inch horizontal, 1.5" NPT

POWER SUPPLIES
- 30873 – 24VAC, 50VA, Plug-In, 120VAC
- 30874 – 24VAC, 50VA, Plug-In, 230VAC

8.0"
20.4cm

11.5"
29.2cm

R3.1"
R7.78cm

Ø8.6"
Ø21.8cm

Ø9.4"
Ø24.0cm

Wall Mount

Corner Mount

Pole Mount

CamPX Outdoor IP PTZ Dome

LENS

Optical Zoom	36X
True Day Night	Yes
Aperture / Focal Length	F1.4 - F4.2; f=3.3 - 119mm
Angle of View	60.2° (wide) - 1.8° (tele)
Min. Work Distance	0.01m (wide) - 1.5m (tele)

CAMERA

Video Type	NTSC (D/N)
Image Sensor	1/4" Progressive Scanning CCD sensor
Scanning System	2:1 interlace scanning
Horizontal Resolution	540TVL
Signal / Noise Ratio	>50dB
Sensitivity	**Color Mode (with ICR)**
	1.0 lux (1/60s), 0.1 lux (1/4s)
	B/W Mode (without ICR)
	0.01 lux (1/4s)
Effective Pixels (H x V)	768x494
Sync System	Internal

OPERATIONAL

Programmable Preset	1~255
Programmable Patterns	4
Autopan	4
Tours	6 (each tour can include 14 actions, including Preset 1-32, Pattern 1-4, or AutoPan 1-4)
Auto Home	Yes
Time Tour	Yes
Autoscan	Yes
Iris	Auto/Manual/MA
Focus	Auto/Manual /MA
Shutter	Auto: default
	Manual: 1/2~1/30000s adjustable
Electronic Image Stabilization	ON/OFF
Privacy Mask	4 areas
Area Zoom	Yes
Motion Detection	4 Areas
White Balance	Auto/Manu/Mercu/Sodi
WDR	OFF / AD WDR* / AD WDR / WDR* / WDR
Backlight Compensation	On/Off
DSS	Yes
Noise Reduction	Off/Auto/Manual
AGC	Yes
Slow AE	Yes
Others	Sharpness adjustable
Alarm	2 alarm inputs, 1 relay output
Web Server	Yes
Network Upgrade	Yes

VIDEO

Compression	H.264 High profile/M-JPEG
Max. Resolution	D1 @ H.264/M-JPEG

Optional Resolution	Major Stream: D1 (720x480) / 4CIF (704x480)
	Minor Stream: D1 (720x480) / 4CIF (704x480) / 2CIF (704x240) / CIF (352x240) / QCIF (176x144)
Max. Frame Rate	30 fps
Data Rate	Variable bit rate (vbr); Constant bit rate (cbr): 256 Kbps ~ 3 Mbps
Network Delay	<300ms

RS485

Communication Protocol	Infinova, Pelco P/D
Soft Address	1-255
Baud Rate	2400/4800/9600bps optional

AUDIO

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

IP

Network Port	1 10M/100M Ethernet, RJ-45, self-adaptive
Network Protocol	ONVIF, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, IPv4, TCP, UDP, DHCP, ARP, LDAP, 802.1X

MECHANICAL

Variable Pan Speed	0.1°-250°/second
Variable Tilt Speed	0.1°-90°/second
Preset Speed	Max. 300°/second
Pan Rotation Angle	360° continuous rotation
Tilt Rotation Angle	0°~ 90°
Preset Accuracy	± 0.1°
Motor	Stepping motor

ELECTRICAL

Electricity	24VAC/24VDC
Power Consumption	35W (heater on)
Surge Protection	Yes ±2000V

ENVIRONMENTAL

Working Temperature	-40° to 122°F / -40° to 50°C
Working Humidity	0 ~ 90%RH (non-condensing)
Storage Temperature	-4° to 140°F / -20° to 60°C

PHYSICAL

Mount Mode	Pendant
Vandal Resistant	Yes
Product Dimension (Height x Diameter)	11.5 x 9.4 in. / 29.2 x 24.0 cm

REGULATORY

Product Certifications	CE/EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3; FCC: Part15 Subpart B; ICES-003 UL

marchnetworks.com

MARCH® networks

An Infinova Company