

EL2 NanoDome

Discreet. Powerful.
Built for Smart Surveillance.



ONVIF | SGT M



The March Networks® **EL2 NanoDome** has a discreet and ultra-compact design, roughly the size of a tennis ball. Purpose-built for high-traffic, space-limited environments like retail stores, quick-service restaurants, financial institutions, and transit hubs, the camera provides exceptional video coverage without drawing attention.

Despite its small footprint, the EL2 NanoDome offers high-resolution imaging and advanced AI-driven analytics. A wide-angle lens and Wide Dynamic Range (WDR) ensure clear, balanced visuals in challenging lighting, while Smart Infrared (IR) illumination enables visibility up to 30 meters for reliable 24/7 monitoring.

Powered by an embedded deep learning system-on-chip (SoC), the camera delivers powerful video analytics including tripwire, intrusion detection, loitering detection, and abandoned object. It supports onboard microSD storage (up to 1 terabyte) and network-attached storage (NAS) for flexible, fail-safe video retention.

Fully integrated with the March Networks Command™ video management platform, the EL2 NanoDome enables remote access, and actionable alerts. NDAA-compliant and built with strong cybersecurity, it includes signed firmware, encrypted streaming, HTTPS, and certificate-based authentication for end-to-end protection.

Key Benefits

- ▼ **Mini size, major performance.** Compact design fits discreetly into any environment.
- ▼ **Wide-angle, high-resolution video.** Capture broad coverage with outstanding clarity.
- ▼ **Built-In analytics.** Include tripwire, intrusion detection, loitering detection, and abandoned object.
- ▼ **Versatile installation.** Ideal for ceilings, point-of-sale counters, entryways, and vestibules.
- ▼ **Full system integration.** Works seamlessly with March Networks Command and Searchlight™ Cloud platforms.
- ▼ **Enterprise-grade cybersecurity.** Includes signed firmware, HTTPS, and secure.

The EL2 Nano Dome is a discreet, tennis-ball-sized AI powerhouse that hides in plain sight while delivering wide-angle, high-resolution video day and night (WDR, 30 m Smart IR), powerful analytics, flexible 1 TB/NAS storage, and enterprise-grade, NDAA-compliant cybersecurity.

EL2 NanoDome

CAMERA

Image Sensor	1/2.7" Progressive CMOS
Effective Pixels	1920 H x 1080 V (2MP)
High Dynamic Range (HDR)	DOL HDR
Day/Night	Automatic IR cut filter
IR Illumination Distance	850 nm
Shutter Speed	30 m (100 ft)
Camera Angle Adjustment	1/5s to 1/32000s
White Balance	Pan 350°, Tilt 75°, Rotation 200°

LENS

Optical Zoom	N/A
Lens	2.8 mm fixed lens
Field of View	Horizontal 111°, Vertical 59°, Diagonal 133°

VIDEO

Video Compression	H.265, H.264, M-JPEG
Resolution	2MP 1080p (1920x1080), 1.4MP 900p (1600x904), WXGA (1360x768), 1MP 720p (1280x720), 640x360
Frame Rate	Up to 30fps @ 2MP
Streaming	Up to 3 individually configurable streams in H.265/H.264/M-JPEG Configurable resolution/frame rate/bandwidth
Image Settings	Backlight compensation, white balance, noise reduction, wide dynamic range, privacy mask, brightness, exposure, sharpness, contrast, saturation, smart IR, day/night threshold

AUDIO

Audio Streaming	One way audio
Audio Compression	G.711 PCM
Audio Input	N/A

OPERATIONAL

Motion Detection	Five-window smart video motion detection, people detection, time filter
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NETWORK

Security	Access list, digest authentication, HTTPS, IEEE 802.1x, password protection, user access log, user account management
Supported Protocols	802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS (Cos/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP

SYSTEM INTEGRATION

Video Analytics	Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, face detection, crowd detection, smart motion detection
Alarm Trigger	Audio detection, cybersecurity events, camera tampering detection, analytics, digital input
Alarm Events	Video recordings to local storage, ext. output activation

ELECTRICAL

Power	12 V $\Rightarrow$ 0.54A; 37-57 V $\Rightarrow$ 0.18A-0.12A (PoE 802.3af, Class 3)
Power Consumption	12 V $\Rightarrow$ Max. 6.5W (IR on), PoE Max. 6.9W (IR on)

PHYSICAL

Construction	Plastic housing and polycarbonate bubble
Dimensions (D x H)	91 mm (3.58 in) x 63 mm (2.48 in)
Weight	562 g (1.24 lb)

ENVIRONMENTAL

Operating Temperature	-10 °C to +50 °C (14 °F to +122 °F) - IR On -10 °C to +55 °C (14 °F to +131 °F) - IR Off
Humidity	10-90% RH, non-condensing
Ingress Protection Rating	N/A
Impact Rating	N/A
Shock	N/A
Vibration	N/A

USER CONNECTIONS

Alarm	Digital input
Audio	Built-in Microphone
Ethernet	RJ45 10/100 Base-T
Serial	N/A
Power	Barrel-type, RJ-45

GENERAL

Local Storage	MicroSD/MicroSDHC/MicroSDXC memory card up to 1TB (not included)
LED Indicator	Power, Activity
Included Accessories	Quick Start Guide; mounting template; mounting hardware; 12 VDC Cable

REGULATORY

Regulatory Model	C5801A
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1
EMC	EN 55032, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B, ICES-003, CISPR 32, AS/NZS CISPR 32, EN55035
Environmental	RoHS, WEEE
Compliance Marking	CE, cULus, RCM, WEEE, UKCA, NOM

ORDERING INFORMATION

CAMERA	
43460-101	EL2 NanoDome
ACCESSORIES	
42360	Bracket Pendant Pipe 1.5" PS11 20cm
42361	Bracket Pendant Pipe 1.5" PS11 40cm
43275	Adapter .75" EMT CAP

5-year warranty:

- Option for Advance Replacement or Repair and Return.
- No need to issue a PO prior to receiving the replacement.
- March Networks incurs all shipping costs — both ways — for Advance Replacements.