

EL5 Fixed Turret

5MP AI Outdoor Surveillance—
Expansive Wide-Angle Coverage



The March Networks® **EL5 Fixed Turret** is a rugged, AI-powered 5MP camera built for dependable outdoor protection. Its fixed 2.8mm wide-angle lens captures expansive coverage in a single frame, delivering more scene detail without moving parts. While fixed-lens models require more precise placement, they offer a lower-cost, high-performance solution for large-area monitoring.

Engineered to thrive in demanding environments, the EL5 features an IK10-rated metal housing and IP66/IP67 weatherproofing, making it ideal for retail storefronts, parking lots, bank drive-thrus, transit platforms, and industrial perimeters. NDAA-compliant and built with strong cybersecurity, it includes signed firmware, encrypted streaming, HTTPS, and certificate-based authentication for end-to-end protection.

A 5MP sensor records at 30 fps for crisp, detailed footage, supported by WDR Pro technology for balanced imaging in backlit or high-contrast scenes. Smart IR night vision extends clarity up to 30 meters without overexposure, ensuring faces, license plates, and events remain visible even in total darkness.

The EL5's AI-powered analytics elevate surveillance beyond basic recording — intelligently distinguishing people from vehicles, detecting intrusion, loitering, and line-crossing events. By cutting through false alarms, it delivers faster, more actionable alerts, helping retailers deter theft, helping banks spot suspicious behavior, helping transit operators manage crowd flow, and helping industrial sites prevent unauthorized access before it happens.

Key Benefits

- ▼ **5MP + WDR Pro.** Crisp, detailed video in any lighting
- ▼ **AI Video Analytics.** Detects and classifies people/vehicles; intrusion, loitering, and line-crossing alerts
- ▼ **Smart IR Night Vision.** Up to 30 m clear visibility without overexposure
- ▼ **Rugged Build.** IK10 vandal-resistant and IP66/IP67 weatherproof
- ▼ **Cybersecure.** Trend Micro IoT Security, Secure Boot, signed firmware, AES-256/TLS encryption
- ▼ **Efficient Streaming.** H.265 + Smart Stream III saves bandwidth and storage
- ▼ **Wide 111° Field of View.** Fixed 2.8 mm lens with ePTZ and up to 48× digital zoom
- ▼ **Audio Support.** Built-in mic and external line input for two-way audio
- ▼ **Flexible Storage.** Supports MicroSD (up to 1 TB) and NAS recording

The EL5 Fixed Turret is an NDAA-compliant, cost-effective 5MP AI outdoor camera (IP66/67, IK10) with a 111° fixed lens, WDR Pro, 30 m Smart IR, and cyber-hardened attribute analytics to cut false alarms, speed response, and lower total cost of ownership.

EL5 Fixed Turret

CAMERA	
Image Sensor	1/2.7" Progressive CMOS
Effective Pixels	2880 H x 1620 V (5MP)
High Dynamic Range (HDR)	DOL HDR
Day/Night	Automatic IR cut filter
IR Wavelength	850 nm
IR Illumination Distance	30 m (100 ft)
Shutter Speed	1/5s to 1/32 000s
Camera Angle Adjustment	Pan 360°, Tilt 70°, Rotation 360°
White Balance	Manual/Automatic
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	4.7MP 3K (2880x1620), 3.7MP QHD (2560x1440), 2MP 1080p (1920x1080), 1.4MP 900p (1600x904), WXGA (1360x768), 1MP 720p (1280x720), 640x360
Frame Rate	Up to 30fps @ 5MP (VCA and IR Off) Up to 15fps @ 5MP (VCA and IR On)
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	Full Duplex
Audio Compression	G.711 PCM
Audio Input/Output	1 x 3.5mm stereo input, 1 x 3.5mm stereo output, built-in microphone
OPERATIONAL	
Motion Detection	Five-window smart video motion detection, people detection, time filter
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, external output activation
ELECTRICAL	
Power	12 V ^{DC} 0.48 A 37-57 V ^{DC} 0.157-0.103 A (PoE 802.3af)

Power Consumption	12 V ^{DC} Max. 6.24W (IR on); PoE Max. 6.38W (IR on)
PHYSICAL	
Construction	Metal housing
Dimensions (D x H)	105 x 82 mm (4.18 x 3.26 in)
Weight	537 g (1.52 lb)
ENVIRONMENTAL	
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Humidity	10-90% RH, non-condensing
Ingress Protection Rating	IP66, IP67
Impact Rating	IK10
Shock	NA
Vibration	NA
USER CONNECTIONS	
Alarm	Digital input; Digital output
Audio	Audio input; Audio output
Ethernet	RJ45 10/100 Base-T
Serial	N/A
Power	Barrel-type
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; desiccant
REGULATORY	
Regulatory Model	C6201A
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

ORDERING INFORMATION	
CAMERA	
4828-101	EL5 Turret (Fixed)
ACCESSORIES	
40743	Mounting cap
42360	Pendant Pipe 20 cm
42361	Pendant Pipe 40 cm
42359	Conduit Pendant Back Box
42169	Wall Mount
42362	Gooseneck Wall Mount
42363	Waterproof Power Back Box
41913	Round Conduit Back Box
42366	Camera Bracket Pole Adapter 100-230 mm
42364	Camera Bracket Pole Adapter 89-152.4 mm

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.