EL5 Motorized Turret

5MP AI Outdoor Surveillance — Remote Zoom and Focus Control

The March Networks® **EL5 Motorized Turret** delivers tough, intelligent outdoor surveillance you can rely on. Its rugged IP66- and IK10-rated housing withstands extreme weather and high-traffic conditions, making it ideal for protecting retail storefronts, transportation hubs, bank perimeters, parking lots, and other critical sites.

A 5MP CMOS sensor with WDR Pro captures sharp, detailed images in challenging lighting, while Smart IR provides up to 30 meters of clear night vision without overexposure. Motorized zoom and remote focus let you instantly switch from wide-area coverage to crisp close-ups from anywhere, making it ideal for dynamic or varied surveillance scenarios.

AI-powered analytics detect, classify, and alert for people, vehicles, and unusual activity. This intelligent filtering reduces false alarms and enables proactive responses. Intrusion detection, line crossing, and loitering alerts add an extra layer of protection to help stop incidents before they escalate.

H.265 with Smart Stream III cuts bandwidth and storage needs, while flexible edge/NAS options and seamless Command™ VMS integration streamline deployment. NDAA-compliant by design, it adds secure boot with signed firmware, encrypted HTTPS/TLS streaming, and certificate-based authentication for true end-to-end protection.

Key Benefits

▼ **5MP Resolution + WDR Pro.** Clear, detailed images in any lighting

▼ **Smart IR Night Vision.** Up to 30 m visibility without overexposure

▼ **AI-Powered Analytics.** Detect, classify, and search by attributes like clothing color or vehicle type

▼ **H.265 + Smart Stream III.** Save bandwidth and storage without sacrificing quality

▼ **Cybersecure Design.** Secure Boot, signed firmware, and AES-256/TLS encryption

▼ **Rugged Housing.** IP66/IP67 weatherproof and IK10 vandal-resistant

▼ **Flexible Storage.** Supports MicroSD/SDHC/SDXC (up to 1 TB) and NAS recording

▼ **Motorized Lens and Remote Focus.** Easy setup and on-demand zoom adjustments

▼ **Built-in Audio.** Integrated microphone for one-way audio monitoring

The EL5 Motorized Turret is an NDAA-compliant, cyber-hardened 5MP AI outdoor camera (IP66/67, IK10) with crisp day/night imaging, motorized zoom/focus, and attribute analytics to cut false alarms and speed response.

EL5 Motorized 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 1/32000s
Camera Angle Adjustment	Pan 360°, Tilt 70°, Rotation 360°
White Balance	Manual/Automatic

LENS

Optical Zoom	5x
Lens	2.7 - 13.5 mm motorized lens
Field of View	Horizontal 111–32.2°, Vertical 57-18°, Diagonal 136-37°

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, NTCIP, 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⎓ 0.70 A 37-57 V⎓ 0.229-0.149 A (PoE 802.3af)
Power Consumption	12 V⎓ Max. 7.44 W (IR on); PoE Max. 7.77W (IR on)

PHYSICAL

Construction	Metal housing
Dimensions (D x H)	120 mm (4.72 in) x 90 mm (3.56 in)
Weight	690 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	N/A
Vibration	N/A

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	C5901A
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

ORDERING INFORMATION

CAMERA	
42828-101	EL5 Turret (Motorized)
ACCESSORIES	
40743	Mounting cap
42360	Pendant Pipe 20cm
42361	Pendant Pipe 40cm
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 100-230mm
42364	Camera Bracket Pole Adapter 89-152.4mm

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.

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