

EL2 IR Bullet

Compact 2MP IR bullet, designed for outdoor and indoor installations



ONVIF | SGT

The March Networks® **EL2 Outdoor IR Bullet** is a compact, budget-friendly 2MP camera built to deliver clear, usable video around the clock. With integrated Smart IR and wide dynamic range, it captures crisp detail in challenging lighting—from bright doorways to dim perimeters—so you can see faces, plates, and incidents when it matters. Its rugged housing is weather-proof (IP66/IP67) and vandal-resistant (IK10), making it a dependable choice for exposed locations like entrances, drive-thrus, loading docks, and walkways.

Easy to deploy and manage, the EL2 IR Bullet supports PoE or 12V DC power and is NDAA compliant with ONVIF Profiles S/G/T for smooth interoperability. Smart Motion Detection helps cut down on nuisance alerts, while edge/redundant recording keeps video flowing even if the network drops. Pair it with March Networks Command™ or EL Series recorders for streamlined monitoring and investigations, or add analytics through Searchlight Cloud to turn everyday video into operational insight.

Key Benefits

- ▼ **Smart Motion Detection.** Eliminate false alarms and reduce unnecessary recording with Smart Motion Detection, a feature that enables the camera to send an alert when a person or vehicle is detected.
- ▼ **Rugged housing.** The IK10, vandal-resistant design withstands impact on the body of the housing, and the IP66 and IP67 ratings protect the camera from dust and water intrusion.
- ▼ **Smart IR Illumination.** The built-in LED provides uniform illumination in a variety of lighting conditions, which means users will see high-quality, low-noise video from 30 meters (100 feet) away. Additionally, the camera automatically adjusts the intensity of the IR LED to compensate for the distance of an object, so the object is not overexposed when it gets too close to the camera.
- ▼ **Never worry about losing video again.** Our cameras can record to internal microSDHC cards or NAS devices, giving you redundant recording in the event of a network outage or power failure.

A cost-effective camera that delivers high-quality images in a variety of lighting and weather conditions.

EL2 IR Bullet

CAMERA

Image Sensor	1/3" Progressive Scan CMOS
Effective Pixels	2MP; 1920 (H) x 1080 (V)
Lens	2.8mm, F2.0, fixed focal 3.6mm, F2.2, fixed focal
Field of View	2.8mm: Horizontal: 118° 3.6mm: Horizontal: 90°
High Dynamic Range (HDR)	69dB
Day/Night	Automatic IR cut filter
Minimum Illumination	2.8mm: Color: 0.08 lux; B/W: 0.05 lux; IR On: 0 lux 3.6mm: Color: 0.1 lux; B/W: 0.05 lux; IR On: 0 lux
Shutter Speed	1/5s to 1/32000s
Camera Angle Adjustment	Pan 340°, Tilt 80°, Rotation -100° to 100°
Pan/Tilt/Zoom	Digital PTZ via Command
White Balance	Manual/Automatic
IR Wavelength	850nm
IR Illumination Distance	30 m (98 feet)

VIDEO

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

NETWORK

Security	Password protection, HTTPS encryption (configuration only), IEEE 802.1X
Supported Protocols	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, DHCP, PPPoE, QoS, ONVIF-S/G/T, SNMPv1/v2/v3

SYSTEM INTEGRATION

Video Analytics	Smart motion detection with Human/Vehicle detection and tunable time filter
Alarm Trigger	Video analytics
Alarm Events	Video recording to local storage

ELECTRICAL

Power	12 Vdc 0.43 A, 37-57 Vdc 0.16-0.11 A (PoE 802.3af, Class 0)
Power Consumption	PoE max 6.49 W / 4 W (IR on/off) 12 Vdc max 5.1 W / 3.4 W (IR on/off)

PHYSICAL

Construction	Aluminum housing and polycarbonate window
Dimensions (D x L)	Ø92 x 182 mm (Ø3.59 x 7.15 in) Lens Diameter - Ø79 mm (Ø3.11 in)
Weight	671 g (1.48 lb)

ENVIRONMENTAL

Operating Temperature	-30 °C to +55 °C (-22 °F to +131 °F) IR On -30 °C to +55 °C (-22 °F to +131 °F) IR Off*
Humidity	10-90% RH, non-condensing
Ingress Protection Rating	IP66
Impact Rating	IK10

USER CONNECTIONS

Ethernet	RJ45 10/100 Base-T
Power	12 Vdc 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

REGULATORY

Regulatory Model	C4301A
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1
EMC	EN55032/BS EN55032, EN61000-3-2/BS EN61000-3-2, EN61000-3-3/BS EN61000-3-3, FCC part 15 subpart B, class B, ICES-003, CISPR32, AS/NZS CISPR32, EN55024/BS EN55024, EN55035/BS EN55035
Environmental	RoHS, WEEE
Compliance Marking	CE, UKCA, cULus, RCM, WEEE, NOM, BIS, NDAA

* Internal Testing

ORDERING INFORMATION

CAMERA	
40559-101	EL2 IR Bullet (2.8mm)
40559-102	EL2 IR Bullet (3.6mm)
ACCESSORIES	
40744	Outdoor Back Box
40745	Pole Mount Adapter
40746	Outdoor Conduit Box
40747	Corner Mount Adapter
42366	Pole Mount Adapter (100-230mm)

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.