

EL20 Adjustable Multi-Sensor Camera

Adjustable multi-sensor camera
delivering 20MP resolution



four adjustable 5MP lenses



ONVIF | SGT

The **EL20 Multi-Sensor Camera** is a high-performance, multi-lens surveillance solution designed to provide maximum visibility with minimal infrastructure. Featuring four independently adjustable 5MP camera heads, the EL20 delivers 20MP total resolution, ensuring comprehensive coverage from a single mounting point. With IR illumination up to 30 meters, built-in audio capabilities, and rugged durability, this camera is built for high-traffic, high-security environments like schools, retail locations, financial institutions, airports, and warehouses.

Designed to seamlessly integrate with March Networks' products, the EL20 supports legacy motion detection and AI-powered analytics, making it a future-proof surveillance solution. Its vandal-resistant (IK10) and weatherproof design ensures reliable operation in even the most demanding conditions. Whether securing large outdoor spaces or complex indoor environments, the EL20 delivers unparalleled situational awareness, reduced installation costs, and intelligent monitoring to keep your business safe.

Key Benefits

- ▼ **Comprehensive Coverage in One Device.** With four adjustable 5MP lenses, the EL20 captures multiple angles with a single installation, reducing the need for multiple cameras.
- ▼ **Enhanced Visibility in Any Condition.** Equipped with IR illumination up to 30m, the EL20 provides clear footage even in low-light environments, making it ideal for outdoor and high-security applications.
- ▼ **Built for Tough Environments.** Designed with an IK10 vandal-resistant housing and weatherproof construction, this camera thrives in demanding outdoor and indoor settings.
- ▼ **Optimized for Large-Scale Deployments.** Ideal for traffic intersections, parking lots, and warehouses, providing a 20MP total resolution for wide-area monitoring.
- ▼ **Smart and Secure Monitoring.** Features built-in full-duplex audio with a high-quality microphone, enabling real-time audio surveillance and communication.
- ▼ **Simplified Installation and Management.** Reduce installation costs with one device instead of four separate cameras, and manage multiple units effortlessly with March Networks' Command Enterprise Software.

*Customizable 360° coverage from a single mounting point
for maximum surveillance flexibility.*

EL20 Adjustable Multi-Sensor Camera

CAMERA

Image Sensor	1/2.7" Progressive Scan CMOS
Effective Pixels	5MP x 4; 2688 (H) x 1920 (V) for each sensor
High Dynamic Range (HDR)	WDR Pro – 120dB
S/N	60.4 dB
Minimum Illumination	Color: 0.035 lux @f1.9; B/W: 0.005 lux @f1.9; IR On: 0 lux
Day/Night	Automatic IR cut filter
IR Wavelength	850nm
IR Illumination Distance	30 m (98.43 ft)
Shutter Speed	1/5 to 1/320000s
Camera Angle Adjustment	Rotation range: 180° for each sensor Tilt range: 105° for each sensor
White Balance	Manual/Automatic

LENS

Optical Zoom	2x optical zoom
Lens	3.7 – 7.7mm; F1.9 – 2.9; motorized, varifocal, fixed iris, remote focus
Field of View	88.6° – 40.1° (Horizontal) 61.2° – 28.6° (Vertical) 115.5° – 49.5° (Diagonal)

VIDEO

Video Compression	H.265, H.264, MJPEG
Resolution	2688x1920, 2560x1920, 2160x1536, 2048x1536, 1680x1200, 1600x1200, 1344x960, 1280x960, 672x480, 640x480
Frame Rate	15 fps @ (2688x1920) x 4 30 fps@ (2560x1440) x 4
Streaming	For each sensor, up to 3 simultaneous configurable streams in H.265/H.264/ MJPEG Configurable resolution/frame rate/ bandwidth; LBR/VBR/CBR bitrate mode available
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	Two-way audio (full duplex)
Audio Compression	G.711, G.726
Audio Input/Output	Built-in microphone; external microphone input; external line output

OPERATIONAL

Motion Detection	Five window smart video motion detection
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NETWORK

Security	Access list, digest authentication, HTTPS, IEEE 802.1x, password protection, Trend Micro IoT Security (brute force attack event, cyberattack event, quarantine event), 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, TLS 1.2, UDP, UPnP

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.

SYSTEM INTEGRATION

Video Analytics	Smart motion detection Audio detection, camera tampering detection, digital input, manual trigger, smart motion detection, scheduled trigger, record notification, SD card life expectancy, system boot
Alarm Trigger	
Alarm Events	Video recording to local storage, external output activation, programming events

ELECTRICAL

Power	24 Vac 50/60 Hz 1.48 A 48-54 Vdc 0.52-0.46 A (PoE 802.3at, Class 4)
Power Consumption	24 Vac max. 25 W PoE max. 25 W

PHYSICAL

Construction	Metal housing
Dimensions (DxH)	Ø 267 x 114 mm (Ø 10.08 x 4.49 in)
Weight	2.7 kg (5.95 lb)

ENVIRONMENTAL

Operating Conditions	Start Temperature: -30 °C to +60 °C (-22 °F to +140 °F) Working Temperature: -40 °C to +65 °C (-40 °F to +149 °F) IR off* -40 °C to +60 °C (-40 °F to +140 °F) IR on*
Humidity	10-90% RH, non-condensing
Ingress Protection Rating	IP66
Impact Rating	IK10

GENERAL

Local Storage	MicroSD/MicroSDHC/MicroSDXC memory card up to 1TB (not included)
LED Indicator	System power and status indicator
Included Accessories	Plug and play cable for audio, power, alarm in, and alarm out

USER CONNECTIONS

Alarm	Alarm digital; Digital input; Digital output
Audio	1 x Audio in; 1 x Audio out
Ethernet	RJ45 10/100 Base-T
Power	24 Vac barrel plug connector / RJ-45 PoE

REGULATORY

Regulatory Model	C5501A
Safety	UL/CSA 62368-1, IEC/EN 62368-1, IEC 62471, IEC 60950-22
EMC	EN 55032, EN 61000-3-2, EN 61000-3-3, FCC part 15 Subpart B, ICES-003, CISPR 32, AS/NZS CISPR 32, EN 55035
Environmental	RoHS, WEEE
Compliance Marking	CE, cULus, RCM, WEEE, UKCA

ORDERING INFORMATION

CAMERA	
42454-101	EL20 Adjustable Multi-Sensor Camera
ACCESSORIES	
42456	Mounting cap for pendant mounting
42664	Wall arm with mounting cap adapter
42678	Corner Mount Adapter

* Internal Testing