March Networks EL-Series All IP Recorders

Cost effective, all IP recording platform supporting enterprise-class video and business intelligence. Available in 8 and 16-channel models.
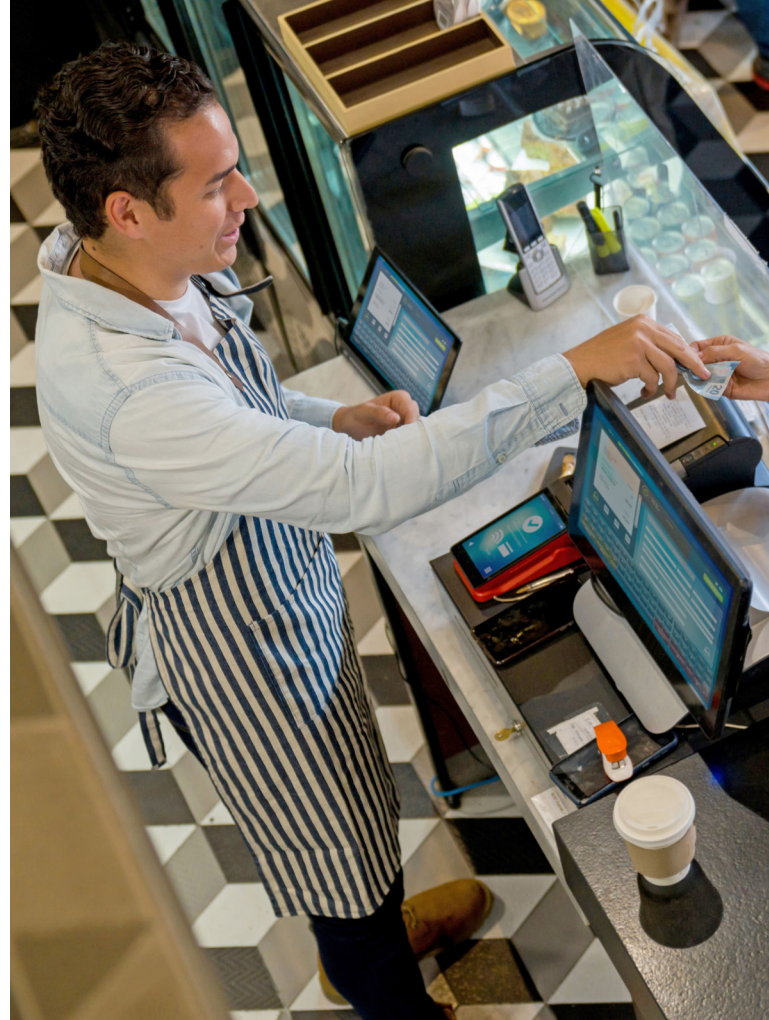
MARCH networks®
A Delta Group Company

Redefining Enterprise Video Surveillance at a Budget Price

Introducing the EL-Series All IP Recorders from March Networks, available in 8 and 16-channel models. By delivering only the essential functions necessary in an NVR, these recorders are a cost-effective option for many companies with limited hardware budgets. The March Networks EL-Series have all the centralized management and advanced data analytics capabilities that March Networks customers have come to love.
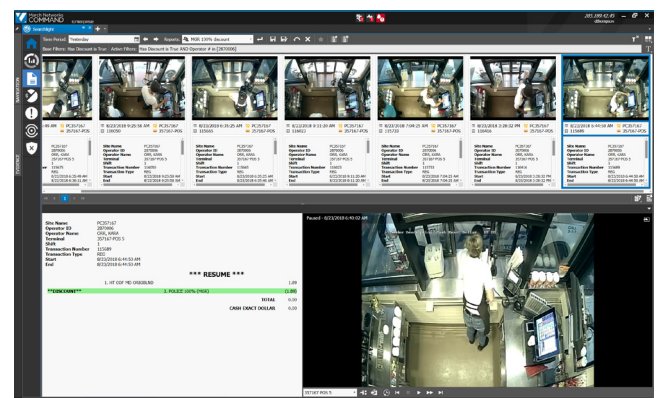
Cost effective, essential functionality

Only the March Networks EL-Series Recorders deliver the essential functionality you need to cost-effectively implement an enterprise on-premise or cloud video system and data analytics. The EL-Series provides advanced centralized management features and data analytics at a low initial cost, and uses Power over Ethernet (PoE), so you can use your existing cabling infrastructure. All licenses are included with both EL models — EL08 (8 camera licenses) and EL16 (16 camera licenses), so no need to buy additional licenses to support all your cameras. Additionally, there are no software maintenance fees on your channel licenses.

Enterprise video management

Efficiently integrate and manage all your security devices from one central location. Manage the EL-Series All IP Recorders with March Networks' powerful Command Video Management Software, including Command Enterprise, Command Client, Insight Cloud Services, and Evidence Vault. Save time with Command's advanced search and investigation tools, and advanced features including real-time health monitoring, mass device management, and more.

More than traditional surveillance

Benefit from the valuable real-time data and AI analytics through March Networks' Searchlight platform, including the Cloud Suite at a lower initial cost of implementation. Integrate video with data like POS and ATM transitions to easily detect, analyze and share incidents like theft or employee fraud. Our advanced analytics like operation audits, customer dwell time and threat detection help customers make informed decisions on optimizing efficiency, reducing loss, increasing growth opportunities, and improving the customer experience. These valuable business insights can be used by multiple departments across the organization, such as operations, IT, marketing and senior management.
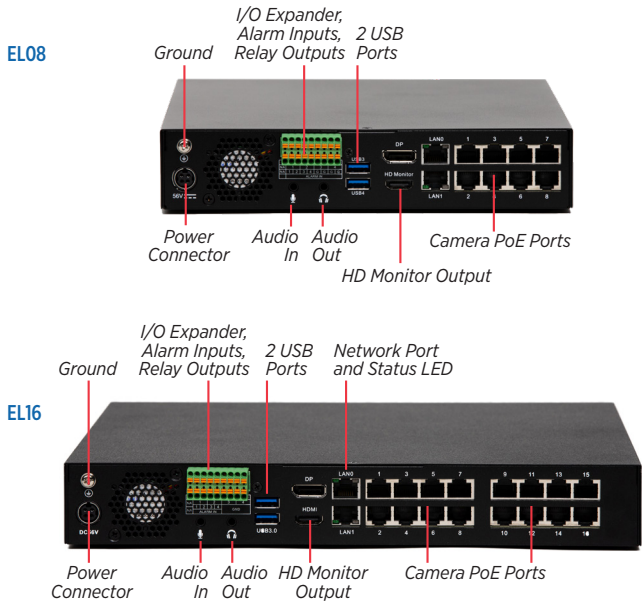
The highest level of security

The EL-Series All IP Recorders offer reliability and protection of customer data with complete end-to-end encryption. Additionally, these recorders are NDAA-compliant and their embedded, hardened, Linux-based OS is customized to remove unnecessary services and applications and locks all non-essential network ports, reducing the likelihood of attack.

Essential Line Series Recorders

MODELS

EL08	30fps, Rackmount, desktop, wallmount (optional)
EL16	30fps, Rackmount, desktop, wallmount (optional)

VIDEO

Channel Capacity	30fps at up to 1080p primary channel; 15fps at D1 secondary channel
Video Compression	H.265, H.264
IP Camera Inputs	8/16
IP Camera Performance	EL08 80 Mbps EL16 160 Mbps
Video Output	HDMI, Display Port

AUDIO

Analog Audio Inputs	MIC-in, 3.5 mm x1, TRS phone jack
Analog Audio Outputs	Line-out, 3.5 mm x1, TRS phone jack
Analog Audio Codec	Linear PCM (LPCM), uncompressed, 16 bit/128kbps

NETWORK

Network 1	GigE port for connection to corporate network
Network 2	Redundant network
POE	EL08: 8 POE ports EL16: 16 POE ports
Security	Industry standard TLS 1.2 with strong AES encryption, HTTPS encryption, strong hashing algorithms SHA256, continuous security vulnerability assessment
Interface	10/100/1000Base-T Ethernet (2 x RJ-45)

SYSTEMS / NETWORK MANAGEMENT

Remote Connection	TCP/IP (IPv4)
Concurrent Remote Connections	No set limit

ANALYTICS

Included	Motion detection
Optional	Camera obstruction

STORAGE

Internal Hard Drives	2 - 3.5" HDDs
Individual Drive Capacity	EL08: Up to 6TB EL16: Up to 12 TB
Total Storage Capacity	EL08: Up to 12TB EL16: Up to 24TB
Drive Type	Serial ATA (SATA)
Mirroring	Yes

HARDWARE

CPU	Intel Apollo Lake J3455
GPU	Intel HD Graphics 500

ALARM INPUTS/OUTPUTS

Alarm Inputs	Input level +/- 24Vdc, Terminal Block x4
Relay Outputs	24V, 1A, Solid State Relay, Terminal Block x4

PHYSICAL

Dimensions (HxWxD):		
	EL08	8.7 x 10.8 x 1.7 in (22.0 x 27.5 x 4.4 cm)
	EL16	12.6 x 11 x 1.7 in (32.0 x 28.0 x 4.4 cm)
Mounting		1U high, 19" rack, desktop, wall mount (optional)
Weight:	EL08	3.1 lbs (1.4Kg)
	EL16	5.5lbs (2.5Kg)
	Hard Drive	Add 1.5 lbs (0.7 Kg) per HDD

ENVIRONMENTAL

Operating Temperature	5°C to 40°C (41°F to 105°F)
Heat Dissipation	Maximum 255 BTU per hour (system plus 4 hard drives)
Humidity	5% to 95% RH (non-condensing)
Storage Conditions	-40°C to 70°C (-40°F to 158°F)

ELECTRICAL

Internal Power Supply	EL08: 100~240Vac, 180W, 56V/3.2A EL16: 100~240Vac, 310W, 56V/5.53A
Power Consumption	EL08: 178 X Typical; 180 W Max EL16: 305 W Typical; 310 W Max

REGULATORY

Safety	EN/IEC62368-1, UL/CSA62368-1
EMC	FCC 47 CFR Part 15, Subpart 15, ICES-003, EN55032, CISPR32, AS/NZS CISPR32, EN61000-3-2, EN61000-3-3, EN55035
Compliance Marking	CE-mark, cULus, RCM, UKCA, WEEE

EL08

Ground | I/O Expander, Alarm Inputs, Relay Outputs | 2 USB Ports | Power Connector | Audio In | Audio Out | HD Monitor Output | Camera PoE Ports

EL16

Ground | I/O Expander, Alarm Inputs, Relay Outputs | 2 USB Ports | Network Port and Status LED | Power Connector | Audio In | Audio Out | HD Monitor Output | Camera PoE Ports

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3-year warranty on all recorders:
- Options for Repair & Return or Advance Replacement
- March Networks incurs all shipping costs—both ways—for AR's
- All recorder components are covered, including HDDs

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