

# Essential Line Series Recorders

8/16-Channel Recording Platform



March Networks' new **Essential Line** recorder is a simple, flexible, and high-quality IP recorder with all the essential features needed to enhance your security. It is a cost-effective solution that is easy to use, compatible with existing cabling and IP cameras. With either eight (EL08) or 16 (EL16) channel licenses included, the EL recorder is ready to connect to your surveillance devices right out of the box.

The R6 Recording Firmware is the powerhouse behind the scenes that enables the efficient recording, storage, and retrieval of video for all of your organization's cameras and transaction data. A host of advanced features help to insure an easy setup, intuitive health reporting, and a fault-tolerant system.

## Key Benefits

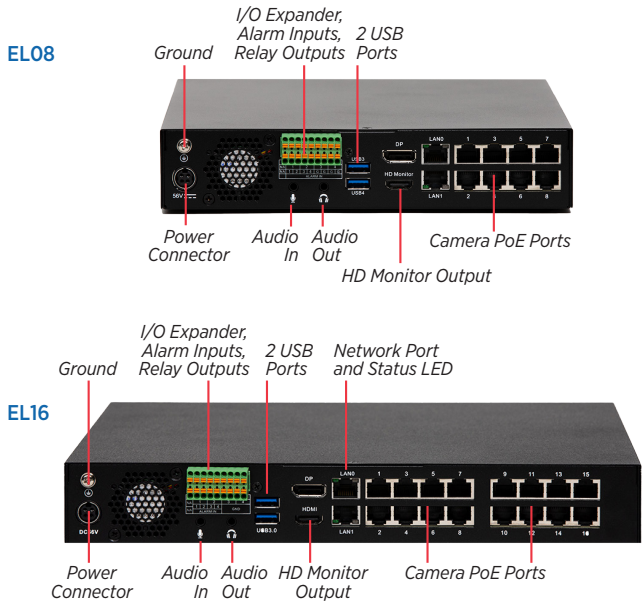
- ▼ **High capacity and performance.** The recorder supports 8/16 concurrent connections at 1080p (primary channel) with an aggregate bandwidth of up to 160 Mbps.
- ▼ **End-to-end encryption.** Prevent potential cybersecurity issues with the highest level of protection for customer data (from camera to recorder to enterprise management system to client software) with cameras supporting RTP/RTSP over HTTPS.
- ▼ **Embedded, Linux-based, and purpose-built.** The customized operating system removes unnecessary services and applications and locks all non-essential network ports, reducing the likelihood of attack.
- ▼ **All camera licenses included.** No need to pay for separate channel licenses; benefit from a full-featured recording platform right out of the box.
- ▼ **Configurable recording policies.** Record video based on user-definable variables, including schedule, motion, analytics, etc.
- ▼ **Real-time health monitoring.** Be alerted to camera, recorder and network issues within seconds.
- ▼ **Network policies for bandwidth protection.** Maximize system performance with features like max retention settings, multi-sector archiving, and selective video recording.
- ▼ **Front panel QR code.** Use March Networks' free GURU Smartphone App to scan the recorder's QR code to check warranty status and serial number.
- ▼ **Powerful video management software.** With March Networks Command™ Enterprise Software, you'll be equipped with the features and tools you need to easily manage your video surveillance system.

*The EL-Series Recorders are compliant with the  
National Defense Authorization Act (NDAA) FY19.*

# 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 W 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



**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