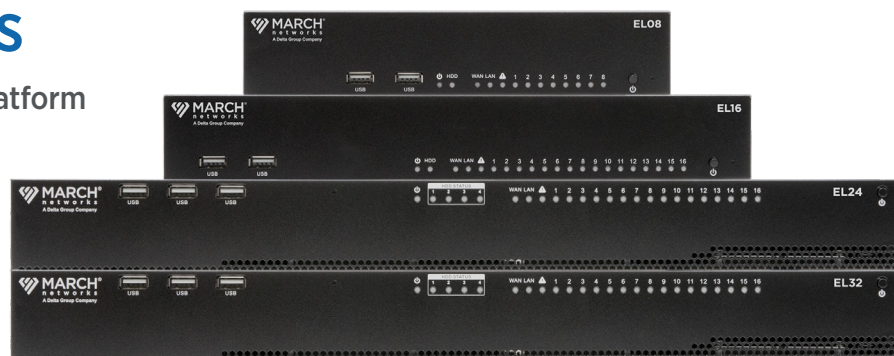


Essential Line Series Recorders

8/16/24/32-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. Available with eight (EL08), 16 (EL16), 24 (EL24) or 32 (EL32) channel licenses included.

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 8/16/24/32 concurrent connections at 1080p (primary channel) with an aggregate bandwidth of up to TBD based on performance testing, but could be up to 320.
- ▶ **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.
- ▶ **Additional feature licensing.** Enhance your EL Series recorders with extra licenses, allowing you to expand the channel count by up to 4 on the EL08, EL24 and up to 8 on the EL16. **Motion Heat Mapping, is also available with an additional license.**
- ▶ **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.
- ▶ **Cost-effective, essential functionality.** The EL Series provides advanced centralized management features and data analytics at a low initial cost. The included integrated Power over Ethernet (PoE) allows you to use your existing cabling infrastructure while saving the cost of a switch.

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

Essential Line Series Recorders

MODELS

EL08/16/24/32 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 8/16/24/32

IP Camera Performance EL08 80 Mbps
EL16 160 Mbps
EL24 240 Mbps
EL32 320 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
EL16/24/32: 16 POE ports
POE Level: POE+, IEEE 802.3 af/at
POE total Power budget: EL08 120W, EL16/24/32 240W

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 EL 08/16 2 - 3.5" HDDs
EL24/32 4 - 3.5" HDDs

Individual Drive Capacity EL-Series: up to 24TB

Total Storage Capacity EL08/16: Up to 48TB
EL24/32: Up to 96TB

Drive Type Serial ATA (SATA)

Mirroring Yes

RAID EL08/16 Raid 1
EL24/32 Raid 1, 5

HARDWARE

CPU EL08/16: Intel Apollo Lake J3455
EL24/32: Intel® Alder Lake N97

GPU EL08/16: Intel HD Graphics 500
EL24/32: Intel Gen12 UHD Graphics

ALARM INPUTS/OUTPUTS

Alarm Inputs Input level +/- 24 V $\overline{\text{DC}}$; Terminal Block x4

Relay Outputs 24V, 1A, Solid State Relay, Terminal Block x4

PHYSICAL

Dimensions (LxWxH):

EL08 22.0 x 27.5 x 4.4 cm (8.7 x 10.8 x 1.7 in)

EL16 32.0 x 28.0 x 4.4 cm (12.6 x 11.0 x 1.7 in)

EL24/36 42.8 x 43.6 x 4.4 cm (16.8 x 17.1 x 1.7 in)

Mounting 1U high, 19" rack, desktop, wall mount (optional)

Weight: EL08 1.4 kg (3.1 lb)
EL16 2.5 kg (5.5 lb)
EL24/36 5.58 kg (12.3 lb)
Hard Drive Add 0.7 kg (1.5 lb) per HDD

ENVIRONMENTAL

Operating Temperature 0 °C to +40 °C (+32 °F to +104 °F)

Heat Dissipation Maximum 255 BTU per hour (system plus 4 hard drives)

Humidity 10-90% RH, non-condensing

Storage Conditions -40 °C to +70 °C (-40 °F to 158 °F)

ELECTRICAL

External Power Supply EL08: 100-240V~50/60Hz 2.5A
EL16: 100-240V~50/60Hz 5-2.5 A

Internal Power Supply EL24/EL32: 100-240 V~50/60Hz 7A

Power Consumption EL08: max 180W, EL16: max 310W, EL24/32: max 400W

REGULATORY

Regulatory Model 1: EL08, 2: EL16, 3: EL 4B (EL24), 4: EL 4B (EL32)

Safety EN/IEC62368-1, UL/CSA62368-1

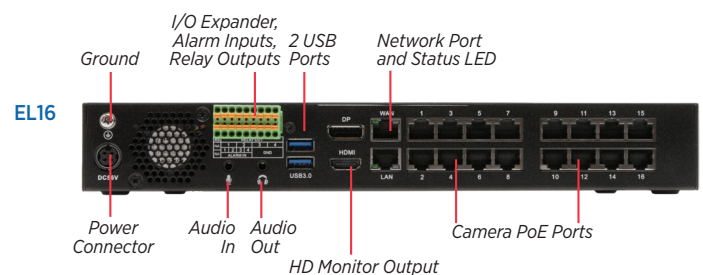
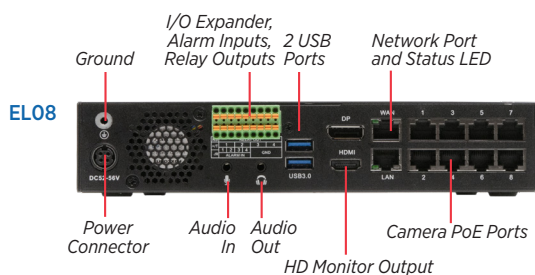
EMC FCC 47 CFR Part 15, Subpart 15, ICES-003, EN55032,
CISPR32, AS/NZS CISPR32, EN61000-3-2, EN61000-3-3,
EN55035

Environmental RoHS, WEEE

Compliance Marking CE, cULus, RCM, UKCA, WEEE, NOM (EL08, EL16)

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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Australia and New Zealand +61 1300 089 419
Middle East and Africa +971 4 399 5525

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