



VISUALIZER™ EN-7940 FORTY CHANNEL MODULAR VIDEO ENCODER

An encoder provides an ideal way to upgrade existing analog video cameras to offer all the advantages available from digital video. The Visualizer 40 channel modular encoder provides 4 input channels per blade, with up to 10 blades in a 4U height chassis to provide a total of 40 input channels. Using the latest H.264 compression ensures that file sizes are dramatically reduced by up to 80% for easy storage.

Efficient operation allows ease of monitoring, management and maintenance, and reduces the demand on time and resources. Cost savings are also introduced as multiple or complex sites can be monitored from one central location. Using the Visualizer modular encoder in combination with Symmetry™ Video Management Software delivers a complete high performance, seamless video solution for use with low cost analog cameras.

Visualizer encoders include, at no extra cost, "Intelligent Motion Detection", which uses a unique tracking engine to perform intelligent analysis of motion for intrusion and tamper detection. These features include:

- Intruder and Perimeter Detection tracks up to 100 moving and stationary targets to generate real time alerts on objects present in up to 40 overlapping detection zones
- Camera Tamper Detection generates a tamper alarm if the camera is covered or if the camera is moved or otherwise adjusted to affect the camera view.

Optional Video Content Analytics (VCA) extend the capabilities of the Intelligent Motion Detection to include additional options for entry, exit, appear, disappear, dwell, direction, abandoned, removed objects and counting linked to the detection rule. These enhanced VCA features allow intelligent analysis of motion in a variety of application areas.

To make full use of the features available in these encoders requires Symmetry Security Management Software v6.2 SP4a or later, with Visualizer EN-7900 Series Video Plug-in.

KEY FEATURES

- EN-7949 encoder blade for monitoring up to 4 analog cameras
- Up to 10 encoder blades fit in EN-7940 chassis (19" / 4U height)
- Hot-swappable encoder blades, fan unit and power supplies
- H.264 encoding
- 25/30fps @ D1 on all channels
- Intelligent Motion Detection per input channel
- Advanced Video Analytics per input channel (optional)
- Deinterlacing on DSP
- Connects directly to LAN / WAN
- Three Year Warranty
- Integrates with Symmetry Security Management Software
- RS232, RS485
- 4 digital inputs

SPECIFICATIONS	EN-7949 NETWORK H.264 ENCODER BLADE
TV System	Auto detection of NTSC and PAL
Resolution	DI, 4CIF, VGA, CIF, QVGA, QCIF
Functions	TCP/IP, UDP/IP, HTTP, RTSP, RTCP, RTP/UDP, RTP/TCP, SNTP, mDNS, UPnP, SMTP, SOCK, IGMP, DHCP, DDNS, SSL v2/v3, IEEE 802.1X, SSH
Power	EN-7949 encoder blade powered from EN-7940 chassis
Operating Temperature	0°C to 60°C (32°F – 122°F) Up to 85% RH (non-condensing)
Color	Black
Dimensions	W: 241mm (9.5in) H: 125mm (4.9in)
Weight	380g
Compression	H.264
Frame Rate	25/30fps @ DI
Intelligent Motion Detection	Intrusion detection, tamper detection for obscuration, defocus and movement
Video Content Analytics (optional)	Direction, stopping, loitering, entering, exiting, appear, disappear, dwell, abandoned and removed objects, counting linked to detection rule (EN-7916-VCA)

SPECIFICATIONS	DESCRIPTION
Construction	Aluminium 19" / 4U Chassis
Available slots	10 (Hot-swappable)
Power input	90 to 264VAC, 47 to 63Hz, 2A
Fan unit	1,800 rpm x 3 each
Temperature	32°F to 140°F (0°C to 60°C) Up to 85% RH
Dimension	W: 16.9in (482mm) H: 6.97in (177mm) D: 12.8in (325mm)
Weight	6.85Kg
Power consumption	Typically 180W fully loaded chassis

PURCHASING INFORMATION

- **EN-7940-A** - 4U height chassis
- **EN-7949-A** - 4 channel encoder blade for use in 4U height chassis with Intelligent Motion Detection per channel
- **VCA-LIC-001-A** - Single Channel Video Content Analytic License
- **VCA-LIC-004-A** - Four Channel Video Content Analytic License



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