Fully Populated 12 Channel Encoder Rack
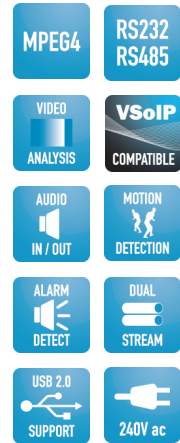
Front View Rack

Back View Rack

Rack Card

MPEG4

RS232 RS485

VIDEO ANALYSIS

VSoIP COMPATIBLE

AUDIO IN / OUT

MOTION DETECTION

ALARM DETECT

DUAL STREAM

USB 2.0 SUPPORT

240V ac
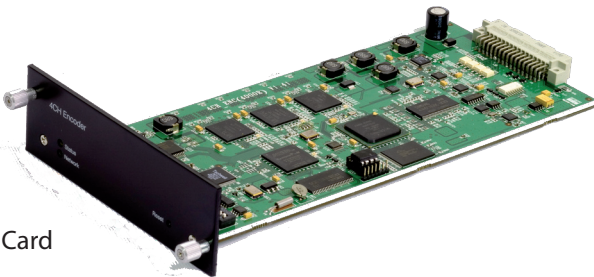
GANZ IP's 12 channel blade architecture MPEG4 video encoder rack systems offer a quick and simple way of upgrading an existing legacy system to IP. Based on GANZ IP's class leading MPEG4 compression algorithms, each blade boasts of multi-DSP architecture.

The unit is populated with 3 blades of 4 channels each providing full frame rate 25/30fps video at D1 resolution. The rack systems are available with audio and telemetry as standard on each of the card. With a form factor of 19" 1U rack, it can be housed in any industry standard cabinet system. With the GANZ NVRs and Clients being rack chassis as well, the customer can enjoy a complete IP Video system housed in a cabinet.

Key Features

▶ Full Frame Rate @D1

▶ Audio Support

▶ MPEG-4, MJPEG

▶ Deinterlacing on DSP

▶ RS-232C, RS-485 Support

▶ USB 2.0 Support (External Storage)

▶ Motion Detection

▶ Burnt-in Text

V1.01

ZA-NVE12K / ZN-RS4012AE

Video Encoder Rack Solution & Blade

Specifications

Description / Model	ZA-NVE12K 12 Channel Encoder Rack
Rack Construction	Aluminum 19" / 1U Sub-Rack
Available Slots	3 ea (Hot Swappable Blades)
Power Input	85~264 V AC, 47~63 Hz, 2A
Power Type	Single Power Supply
Fan Unit	4,500 rpm x 2 ea
Temperature	0 ℃ ~ °60 C (32 °F ~ 140 °F)
Humidity	Up to 85% RH
Dimension	482(W) x 44(H) x 286(D) mm
Weight	1.80 kg + 370 g (ZN-RS4012VE) x 3 rack cards
Power Consumption	Typically 55W Fully Loaded Rack
Supported Blades	ZN-RS4012AE
Approvals	All A/C driven sources are U/L approved Certfications: CE/EN/FCC

Description / Model	ZN-RS4012AE 4 Channel MPEG-4 Encoder Rack Card
VIDEO	
4 x Input	NTSC/PAL composite video, 75Ohm, 1Vp-p, Standard BNC
Compression Format	MPEG-4 (ISO14496-2), MJPEG
Multi Streaming	Dual Stream, Configurable
Resolution	D1, Half D1, CIF, QCIF
Compression FPS	100/120 fps@D1
Deinterlacing	Yes (DSP)
Motion Detection	Yes (DSP)
Burnt-in Text (Digital)	Yes (DSP)
Video Bitrates/Bandwidth	32Kbps ~ 6Mbps
Stream Encryption	AES
AUDIO	
4 x Audio Input	Linein, 1.43p-p (Min 1.35Vp-p, Max 1.4 Vp-p) 39 Ohm
Audio Output	Lineout, 46mW Power, 16 Ohm
Compression Format	G.711
FUNCTION	
4 x Digital Input	TTL level 4.5V threshold, Max 50mA
2 x Digital Output	Max 500mA@24VAC or 1A@12VDC
RS-485/422	Yes, terminal block up to 115.2Kbps
RS-232C	Yes, terminal block up to 115.2Kbps
Network	IEEE 802.3 & IETF standard: 10/100 Base-T Ethernet
Time	Embedded Real Time Clock, NTP Client
Protocol	TCP/IP, UDP/IP, HTTP, RTSP, RTCP, RTP/UDP, RTP/TCP, SNTP, mDNS, UPnP, SMTP, SOCK, IGMP, DHCP, FTP, DDNS, PPPoE, SSL v2/v3, IEEE 802.1X, SNMP, SSH, and IPv6
USB 2.0 Memory	Yes

MECHANICAL	
Dimension	241(W) x 125(H) mm
Weight (Approx)	370 g
MANAGEMENT	
Control	Intuitive Web Browser Interface/VSoIP
Video Content Filters (Included as Standard)	Motion Detection, Tamper Detection
High Performance	Advanced Tracking Algorithm, Low False Alarm Rate
Detection Zones	Multi-segment Polygons and Lines
On-screen Display	Real-time Display of Tracking Data and Events
IMAGE STABILISATION (Upgrade):	
Electronic Stabilisation	Removes Camera Sway
WARRANTY	3 Years

NB. Specification subject to change without notification

ORDERING INFORMATION

Model Number	Description
ZA-NVE12K	Chassis Only
ZA-NVE12K + 3 x ZN-RS4012AE	Fully Populated
ZN-RS4012AE	Rack Card Only

V1.01

RoHS 2002/95/EC   CE

ISO 9001 REGISTERED FIRM