ZN-S4000AE

4 Channel MPEG-4 Video Encoder

MPEG4 | D-1
DUAL STREAM | VSoIP COMPATIBLE
PoE | MOTION DETECTION
USB 2.0 SUPPORT | RS485
AUDIO IN / OUT | ALARM DETECT
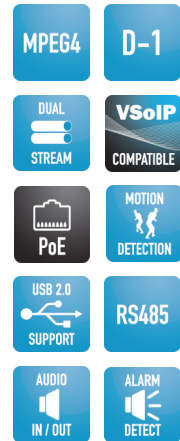
The GANZ VSoIP solution is based on a distributed architecture where digitising and encoding happens at the edge. GANZ 4 channel MPEG4 encoders are the preferred choice for customers wanting to migrate from an analogue CCTV system to state of the art IP CCTV in a cost effective and phased manner. ZN-S4000AE is a MPEG4 based four channel video encoder best suited in applications requiring conversion of a four analogue video inputs and telemetry to IP video channels. The ZN-S4000AE allows for cost effective integration of sites with legacy or specialist analogue cameras, providing IP video that can be visualised, recorded and managed using GANZ VSoIP video and alarm management suite.

ZN-S4000AE delivers dual encoding and streaming where two independent streams can be derived with different compression algorithms, bitrates, frame rates and resolutions as standard, providing up to 25/30 frames per second video, while utilising significantly low storage footprints. The units are powered by DC or PoE and provide bi-directional audio and secondary onboard storage options via a USB slot. Basic Video Analytics and digital input/output are included as standard.

Key Features

- 4 Channel Dual-stream MPEG4/MJPEG video
- Class leading compression
- Multi video resolution settings at up to D1
- Unicast or Multicast
- Multi-Digital Signal Processing
- Bi-direction Audio input and output

- POE
- USB port for local backup
- Serial communication ports for PTZ controls
- 4 Alarm Input / 4 Relay Output
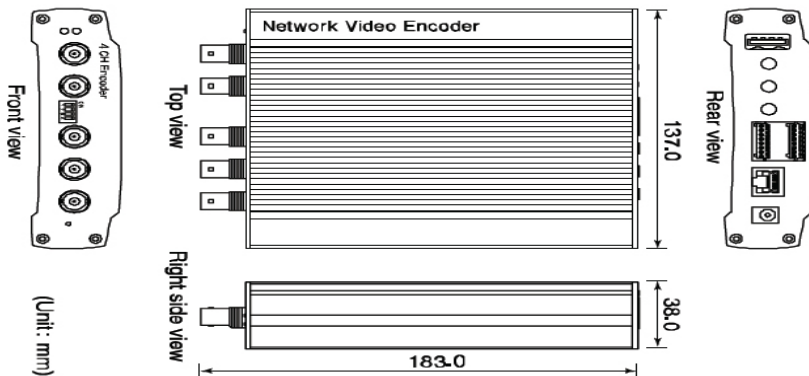- Web Interface for live viewing and configuration
- VSoIP Compatible

V1.01

ZN-S4000AE

4 Channel Video Encoder

Specifications

Description / Model	ZN-S4000AE
VIDEO	
Input	Single Stream Mode: 4 channel Dual Stream Mode: 2 channel
Output	Single Stream Mode: 1 Quad Output Dual Stream Mode: 2 Loop Out
Connectors	NTSC/PAL composite video, 75 Ohm/ Vp-p, standard BNC
Compression Format	MPEG-4 (ISO14496-2), MJPEG
Resolution	D1, 4CIF, VGA, CIF, QVGA, QCIF
Compression FPS	25/30 fps per channel
Deinterlacing	Yes, DSP based
Motion Detection	Yes, DSP based
Burnt-in Text (Digital)	Yes, DSP based
Video Bitrates/Bandwidth	32Kbps ~ 6Mbps
Stream Encryption	AES
AUDIO	
4 x Digital Input	TTL level 4.5V threshold, Max 50mA
4 x Digital Output	Max 500mA@24VAC or 1A@12VDC
Compression Format	G.711
FUNCTION	
4 x Digital Input	TTL level 4.5V threshold, Max 50mA
4 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
USB 2.0	Yes
Network	IEEE 802.3 & IETF standard: 10/100 Base-T Ethernet
Protocol	TCP/IP, UDP/IP, HTTP, RTSP, RTCP, TP/UDP, RTP/TCP, SNTP, mDNS, UPnP, SMTP, SOCK, IGMP, DHCP, FTP, DDNS, PPPoE

NB. Specification subject to change without notification

Description / Model	ZN-S4000AE
ELECTRICAL	
Power Source	12V DC (DC Jack)
Power over Ethernet	Yes (IEEE 802.3af)
Power Consumption	848 mA @ +12V (Approx)
Approvals	All A/C driven sources are U/L approved Certfications: CE/EN/FCC
ENVIRONMENTAL	
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F)
Operating Humidity	Up to 85% RH (Non-condensing)
MECHANICAL	
Dimension	137(W) x 38(H) mm, 183(D) mm
Weight (Approx)	636 g
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	
Warranty Period	3 Years

V1.01

RoHS 2002/95/EC   CE

ISO 9001 REGISTERED FIRM