DATA/ SPEC SHEET

H264-ENCDR HIGH PERFORMANCE 4-CHANNEL VIDEO ENCODER

The Perfect Solution for Hybrid Systems

The H264-ENCDR Network Encoder is a 4-channel digital video server that converts analog camera inputs into streamed IP video data. This embedded device is specifically designed to integrate into the ViconNet Video Management System (VMS). The tight integration into ViconNet provides advanced features, such as museum search, analytics, dynamic load balancing and automatic detection in the ViconNet VMS. It offers full support of NTSC/EIA and PAL/CCIR video cameras.

Easy to Install and Configure

The H264-ENCDR is easily configured using Vicon's exclusive VNSetup utility, which quickly finds the unit on the network and enables quick assignment of an IP address. In addition, the server supports full PTZ control, alarm reporting, picture quality configuration, external sensors, macros, and alarm configuration.

- Ideal solution for creating hybrid analog/IP systems using analog cameras with IP Video Management Systems
- Up to 4 analog camera video inputs
- Scalable - Use several units for multiple cameras
- Supports dual streaming
- Auto-sensing NTSC/PAL
- Maximum video system transmission rate up to 120 fps (100 fps PAL) at 4 CIF or D1 resolution, 720 x 480 pixels (720 x 576 PAL)
- 4 alarm inputs, 4 relay control outputs and 4-line level microphone inputs
- 24 VAC input power or Power over Ethernet (PoE)

Mounting Options

There are several mounting options for the H264-ENCDR including desk, shelf or rack mounting. The unit may be mounted on a desktop using the rubber feet provided. Using the optional mounting kits, it can be rack or wall mounted.

Ordering Information

Description	Model Number
4-channel encoder	H264-ENCDR
Rack mounting kit. Mounts two H264-ENCDR units in a rack.	H264-ENCDR-RK2
Rack mounting kit. Mounts up to 8 H264-ENCDR units vertically in a 5U 19-in. rack.	H264-ENCDR-RK8
Wall mounting kit	H264-ENCDR-WM

Video Specifications

Video Channels:	4.
Video Formats Supported:	NTSC/EIA and PAL/CCIR.
Video Compression :	H.264.
Video Streaming:	TCP, UDP, unicast and multicast. Refer to table below for ports.
Resolutions:	NTSC: HCIF, CIF, 2 CIF, 4 CIF (352x120 - 720x480); PAL: HCIF, CIF, 2 CIF, 4 CIF (352x144 - 720x576).
Frame Rate:	30/25 fps (NTSC/PAL) per camera at full resolution*.
Alarms:	4 dry contact, N.O./N.C. inputs; 4 relay control (open collector) outputs for external relay box.
Audio:	4 line-level microphone/speaker inputs.
PTZ Control:	2 RS-422/485 simplex protocol using Phoenix connections.

* For high-resolution, high-activity video, there may be a drop off in overall frame rate.

Electrical Specifications

Input Voltage:	24 VAC, ±20%, 50/60 Hz. Power over Ethernet IEEE 802.3af.
Current:	470 mA max. @ 24 VAC. PoE: 205 mA max. @ 48 VDC.
Power Consumption:	11.3 W.
Heat Output:	39.55 btu/hour.
Indicators and Connectors:	Power Connector: 2-pin Phoenix. Network/PoE: RJ-45 jack. Network Activity/Connectivity: Amber/Green LEDs. Alarm In: 5-pin Phoenix with 4 N.O./N.C. sensor contacts. Relay: 5-pin Phoenix; can control up to 4 relay control outputs; up to 5-24 VDC, 500 mA max. per output. Requires separate customer-supplied power supply and relay. Analog Video In: 4 BNC-F connectors. RS422/485 (PTZ): 2 6-pin Phoenix connectors for transmit (4 channels) and receive; allows to connect without daisy chain. Audio: 6-pin Phoenix for microphones and speakers (output not currently used).
Certifications:	UL, CE; FCC, Class A.

Mechanical Specifications

Application:	Indoor.
Mounting:	Desk, wall or rack mounting with optional mounting accessories.
Dimensions:	Height (H): 1.73 in. (44 mm). Width (W): 8.5 in. (216 mm). Depth (D): 6.75 in. (153 mm), including connectors.
Weight:	2.25 lb (1.0 kg).
Construction:	Aluminum case/aluminum extrusion.

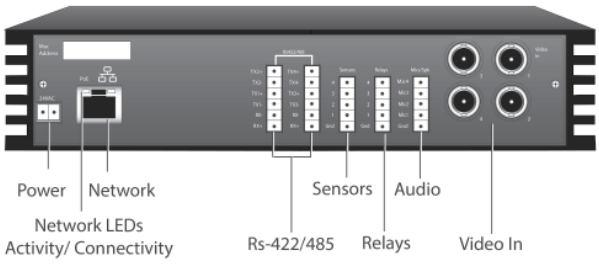
Environmental Specifications

Operating Temperature:	32° to 104°F (0° to 40°C).
Humidity:	Up to 90% relative, non-condensing.

Warranty

3 years parts and labor.

Dimensional/Connection Diagram



The table below provides the ports used by the H264-ENCDR when streaming video from the different channels. All streams arrive from the same IP address; the port use is done automatically by ViconNet and the encoder. This information is important for fire-walled environments where video must be allowed through.

Ports for Streaming Video

Channel No.	Main Stream Port	Secondary Stream Port
1	554	8554
2	8555	8556
3	8557	8558
4	8559	8560

Data Sheet Number: V240
Dated: 07/2012

Vicon Data Sheet Part Number: 8009-7240-00-04
Specifications subject to change without notice.