

# VLR-ENC-16 16-CHANNEL H.264 VIDEO ENCODER



The VLR-ENC-16 Encoder is the perfect solution for hybrid systems by converting analog camera inputs into streamed IP video data. It is designed specifically to support AHD, TVI and analog cameras with up to 960H resolution. The encoder integrates easily into the Valerus VMS through the ONVIF standard protocol.

The encoder incorporates high-quality H.264 video and audio encoding and compression technology. There is a VGA and HD video output which can be used as a local output; the local display mode can be 1, 4 (2x2), 9 (3x3) or 16 (4x4). Additionally, a BNC output connection is provided for use as a spot monitor; the display mode can be 1 or 16 (4x4). Alarm and audio inputs/outputs are supported.

## Product at a Glance

- ▶ Ideal solution for hybrid analog/IP systems
- ▶ Supports AHD, TVI and analog cameras up to 960H resolution
- ▶ H.264 compression
- ▶ Supports dual streaming (refer to specification table)
- ▶ 4 alarm inputs; 1 alarm output
- ▶ 4 audio channel inputs; 1 audio channel output\*
- ▶ PTZ control through serial output
- ▶ Easily integrates with the Valerus VMS
- ▶ Easy export of video to USB storage devices

\*Coming soon.

Table 1: Model Descriptions

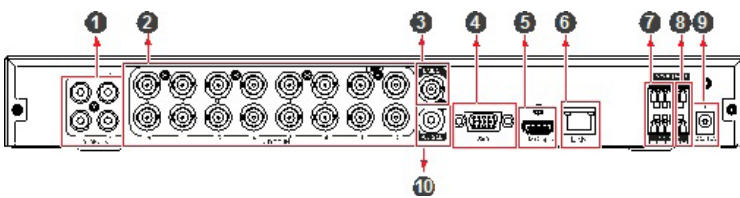
Model Number	Description
VLR-ENC-16	ONVIF-based 16-channel encoder; supports AHD, TVI and analog cameras with up to 960H resolution; 12 VDC

# VLR-ENC-16 ENCODER

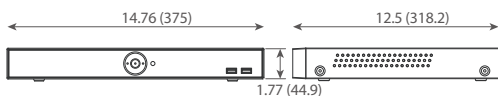
## SPECIFICATIONS

VLR-ENC-16	
<b>Video Specifications</b>	
Video Inputs:	16
Video Formats Supported:	AHD, TVI and CVBS (NTSC/PAL)
Compressions Supported:	H.264 (video) G.711 (audio)
Video Input Resolutions:	1080P/720P/960H/D1
Local Display Resolutions:	VGA/HD: 1920x1080, 1280x720, 1024x768. Spot: 1.0 Vp-p (75 ohm, composite).
Local Display Formats:	VGA/HD: 1/4 (2x2)/9 (3x3)/16 (4x4). Spot: 1/16 (4x4).
Frame Rate:	Up to 480 fps (D1/960H/720P); 240 fps (1080 AHD)
Motion Detection:	Yes
Alarm Input:	4 Alarms In
Alarm Output (Relay):	1 Alarm Out
Audio In/Out:	4 channels In/1 channel Out (RCA)
Security:	Password protection
Supported Protocols:	TCP/IP, IPv4/IPv6, HTTP, FTP, UPnP, RTP, RTSP, DHCP, ARP, Zero config, SMTP, DDNS, Onvif
<b>Electrical Specifications</b>	
Power Supply:	12VDC, 5A. Dual Voltage (110/220 VAC) power supply provided.
Power Consumption:	36 W max.
Indicators/Ports/Connectors:	Front: Power status LED, Recording status LED, Network connection LED, USB. Rear: Video In: 16 BNC; Video Out: 1 CVBS (spot monitor), 1 VGA, 1HD; Network/LAN: 1 RJ-45; 4 audio in: RCA; audio out: 1 RCA; 4 Alarm in, 1 alarm out: terminal block; power input (12 VDC); PTZ: RS-485*
<b>Mechanical Specifications</b>	
Application:	Indoor
Mounting:	Desktop or rack-mount into a standard 19-inch vertical rack (includes rack mounting kit)
Dimensions:	W: 14.76 in. (375 mm); H: 1.77 in. (44.9 mm); D: 12.5 in. (318.2 mm)
Weight:	4 lb (1.8 kg)
Approvals:	FCC, CE, ONVIF Profile S
<b>Environmental Specifications</b>	
Operating Temperature:	32 - 113° F (0 - 45° C)
Operating Humidity:	10 - 90%, non-condensing

Supported PTZ Protocols: Vicon, Pelco-D, Pelco-P, Pelco-C, ONVIF-IPCAM, F2E,F2, Honeywell, Samsung, Techwin, Panasonic, Dongyang, A\_CP, A\_CP-PTZ, Hikvision-C, FSK.



No.	Name	Function
1	Audio In	Camera audio input port
2	Video In	Camera video input port
3	CVBS	CVBS output port (depending on device types)
4	VGA	VGA output port
5	HD Output	HD output port
6	Network	Network connector
7	Alarm In/Out	Alarm connector
8	RS-485	RS-485 communication connector
9	12 VDC	Connector with power supply
10	Audio Out	Audio output port



### Dimensions

Unit : in. (mm)

Data Sheet Number: V298-00

Vicon Data Sheet Part Number: 8009-7298-00-01

Dated: 419

Specifications subject to change without notice.

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