

MPEG-4

Description

The VCX-4400-E Series Encoder is a highly capable, field proven product which has become standard for encoding in challenging environments. The unit supports a single MPEG-4 feed over a full range of resolutions through a 10/100 Ethernet interface. Local and remote diagnostics are provided through visual display, Telnet or the control port.

The encoder allows easy transport and sharing of IP video with local, state & Federal agencies.

Applications include:

- Intelligent Transportation Systems
- Mass Transit
- Remote Surveillance
- Remote Broadcast
- Networked Video

The VCX-4400-E Video Encoder meets the NEMA TS-2 Standard for Traffic Control Equipment.

Features

- MPEG-4 Encoding
- Standard resolution D1 to QCIF @ variable frame rate
- NTSC & PAL
- Built in time base correction supports stable sync signal
- 10/100 Ethernet interface
- 2 low speed serial channels (RS-232/422)
- Rack-mount card cage versions available
- Advanced diagnostics
- Unicast or multicast (IGMPv.2)
- 110 or 240 VAC power
- Meets NEMA TS2 (-34 to+74 C)



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Video

Input and Output

# channels	1 channel
Standards	NTSC (EIA RS-170) PAL (CCIR 624)
Voltage	1 volt p-p 75Ω 50/60HZ
Compression	MPEG4
Connector	BNC

Resolution & Maximum Frame Rate

Frame Rate	1-30 fps	
Resolutions	NTSC	PAL
D1	720 x 480	720 x 526
4CIF	704 x 480	704 x 576
1/2	720 x 240	720 x 288
CIF	352 x 240	352 x 288
QCIF	176 x 120	176 x 144

Stream Type Elementary RTP

Network

Data Rate	56 Kbps - 4 Mbps
Ethernet	RJ-45
Interface	10/100BaseT
Protocols	DHCP, TCP, UDP, RTP, IGMP(v.2), IP(v.4), Telnet QoS/DiffServ

Serial Data

Protocol	RS-232/422
Programming	RS-232
Data Rate	up to 115.2 Kbps (NRZ)
Connectors	RJ-45

Programming & Diagnostics

Modes	
Physical	RS-232 programming port
Remote	Telnet
Visual	RJ-45
LED's	Scrolling LED display (Full Size)
Display	2-Line Scrolling LED(19" Unit)

Electrical

Voltage	95-130VAC, 200-240VAC
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Current Draw

Stand-alone unit	58mA@120VAC
Rack-mount card	400mA@12VDC

Mechanical

Dimensions

Full Size	19"W x 1.75"H x 12"D
Half Size	8.5"W x 1.75"H x 12"D
Card	5.2"W x 0.9"H x 10.2"D

Environmental & Regulatory

NEMA TS2 Shock, Vibration and Transients

Temperature	(-)34°C to +74°C (Operating) (-)40°C to +74°C (Storage)
Humidity	0 to 95% Non-condensing (Conformal Coating Available Upon Request)

Ordering Information

Physical	# inputs	Config	Part Number
Full Size	1	MPEG4	4421-1110-0001
Half Size	1	MPEG4	4422-1120-0001
Card	1	MPEG4	4421-1200-3001

Compatible Products

Hardware Decoding	VCX-6400- D-Series Decoders SMV-6400 Stand-alone media player
Software Decoding	WMV-4400 Video Matrix Viewer SWL/S/C-6400 Watchdog
Card Cage	R-12 Series Rack Mount Card Cage