

MPEG-2 Encoder

Description

The VCX-2400-E Series Encoder is a highly capable, field proven product which has become standard for encoding in challenging environments. The unit supports MPEG-2 over a full range of resolutions through a 10/100 Ethernet interface.

Local and remote diagnostics are provided through visual display (full size) and web interface. The encoder allows easy transport and sharing of IP video with local, state & Federal agencies, simultaneously transmitting both high resolution & internet quality video.

Applications include:

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

The VCX-2400-E Video Encoder meets the NEMA TS-2 Standard for Traffic Control Equipment.



Features

- MPEG2 Video Encoder
- Standard resolution CIF through D1
- NTSC & PAL
- **Diagnostics and Programming via**
 - Front programming port (RS232)
 - Web Interface
 - Remotely via Hyper Terminal or Telnet
 - Watchdog Media Management System
- **SAP (System Announcement Protocol)**
- Scrolling LED Display on Full Size Encoder
- 10/100 Ethernet interface
- 2 low speed serial data channels
- Advanced diagnostics
- Unicast or multicast (IGMPv.2)
- AC power
- < 10 W power consumption
- Meets NEMA TS2 (-34 to+74 C)



Video

Input and Output

# channels	1 input channel
Standards	NTSC (EIA RS-170) PAL (CCIR 624)
Voltage	1 volt p-p 75Ω 50/60HZ
Compression	MPEG2(ISO/IEC13818;ITU-TH.262)
Data	2 RS232/422/485

Resolution & Maximum Frame Rate

Standard Definition		1-30 fps
	NTSC	PAL
D1	720 x 480	720 x 526
1/2	720 x 240	720 x 288
2/3	480 x 480	480 x 576
CIF	352 x 240	352 x 288

Connector BNC

Data Rate 1 to 6 Mbps

Stream Type Program, Elementary, Transport

Audio Channels 1 bi-directional
(256 kps stereo optional)

Audio ITU-T G.711

Serial Data Protocol RS-422/485
RS-232

Programming Data Rate 9.6 to 115.2 Kbps (NRZ)

Connectors RJ-45, USB 2.0

Visual

LED's Scrolling LED display (Full Size)

Network

Ethernet RJ-45

Interface Protocols 10/100BaseT
IEEE 802.3 Static or DHCP
UDP, IP(v.4), IGMP(v.2) Multicast
QoS/DiffServ, Telnet, HTTP and ICMP

Programming & Diagnostics

Modes

Physical RS-232 programming port
Remote Telnet, Web Interface

Electrical

Voltage

95-130VAC, 200-240VAC
58mA@120VAC (Stand Alone Unit)
400mA@12VDC (Rack Mount Card)

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

Weight

<2 lbs.

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)

MTBF >100,000 hours

FCC Title 47, Subpart B, Section 15, Class A UL, CE, ROHS

Ordering Information

Physical	Model Number	Part Number
Full Size	VCX-2400-E	2421-1110-0001
Half Size	VCX-2400-E-H	2421-1120-0001
Card	VCX-2400-E-R	2421-1200-0001