

MPEG-4/JPEG

Description

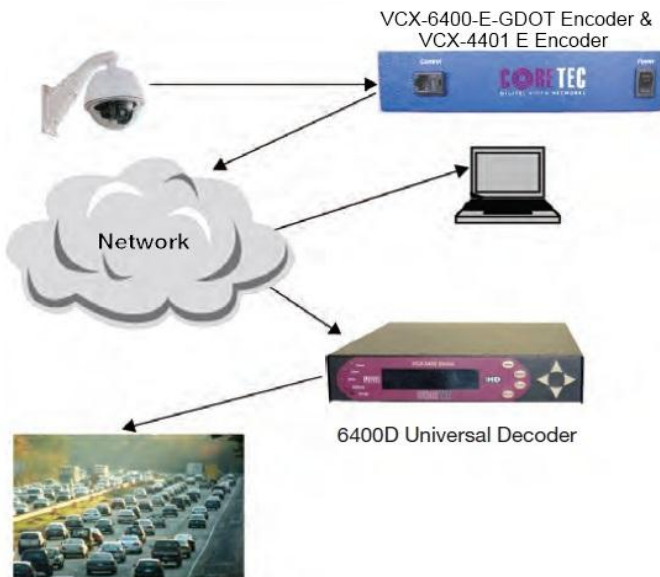
The VCX-6400-E-GDOT Series Encoder is a highly capable, field proven product which has become standard for encoding in challenging environments. The unit supports dual MPEG-4 feeds over a full range of resolutions as well as JPEG frame capture through a 10/100 Ethernet interface. Local and remote diagnostics are provided through visual display, web interface and SNMP.

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-6400-E-GDOT Video Encoder meets the NEMA TS-2 Standard for Traffic Control Equipment.



Features

- Simultaneous, dual video encoding
 - JPEG Frame Capture
 - MPEG-4(SP & ASP)
- 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

VCX-6400-E-GDOT & VCX-4401-E Encoders
 Rack Mountable Half Size Encoder



Card Cage Model for R12 Rack



Video

Input and Output

# channels	1 or 2 channel
Standards	NTSC (EIA RS-170) PAL (CCIR 624)
Voltage	1 volt p-p 75Ω 50/60HZ
Compression	MPEG4, JPEG
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	704/576
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 Interface	RJ-45
Protocols	10/100BaseT DHCP, TCP, UDP, IP(v.4), RTP, IGMP(v.2), TFTP, FTP, SNMP v2, QoS/DiffServ, Telnet

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, Web Interface

Visual

LED's Display	Scrolling LED display (Full Size) 2-Line Scrolling LED(19" Unit)
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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	6421-1110-3001
	2		R6422-1110-4001
	2	1 MPEG4, 1 JPE	6422-1110-6001
Half Size	1	MPEG4	6421-1120-3001
	2		6422-1120-4001
	2	1 MPEG4, 1 JPE	6422-1120-6001
Card	1	MPEG4	6421-1200-3001
	2		6422-1200-4001
	2	1 MPEG4, 1 JPE	6422-1200-6001

Compatible Products

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