

FEATURES & BENEFITS

MPEG-4 Encoding or Decoding over 10/100 Mbps Ethernet IP Appliance

- Direct 110/220VAC Power Input or 12VDC Rack Mount Card (4400)
- 1 RU 19" Rack Mount Package
- Full Motion Video from 1 to 30fps (D1) Broadcast Quality
- 30Kbps to 3.5Mbps Video Data Rate.
- 2 Low Speed Data Channels (RS-232/422) to 115.2Kbps (4 on VCX-4406)
- Hardware and/or Software Decoding
- 10/100 Mbps Interface
- Half 19" Rack Width Size Available
- Extended Temperature Range -34°C to +74°C
- Display Diagnostics via Front Panel Fluorescent Display
- Front Programming Port for Diagnostics and Programming or Remotely via WatchDog (SW-6400), HyperTerminal or TelNet
- Web Based Interface (4402/4406)
- Built-In TBC & Sync Stabilizer

APPLICATIONS

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

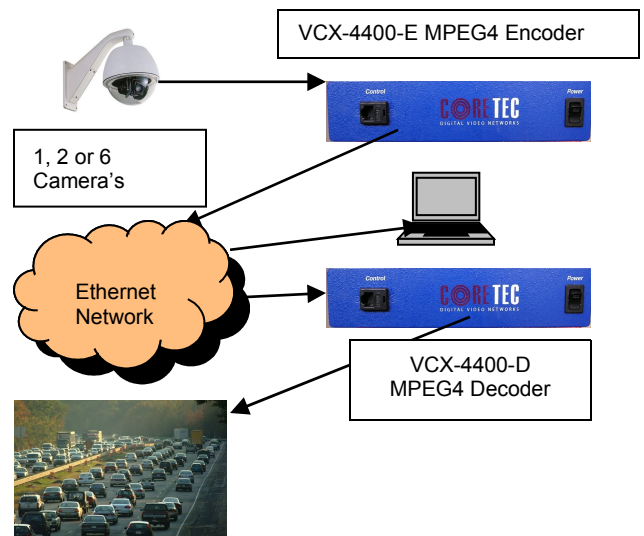
Rack Mount Full Size Encoder
(19"Wx1.75"Wx12"D)



Rack Mount Half Size Encoder
(8.5"Wx1.75"Wx12"D)



TYPICAL CONFIGURATION



INPUTS & OUTPUTS

Video	NTSC/PAL (EAI RS170) PAL (CCIR 624) Both 1 volt p-p 75Ω 60Hz
Data	2 RS 232/422/485 - Software Selectable (4 on 4406)

VIDEO PARAMETERS

Compression	MPEG-4 Level 3 & 4 (+ JPEG on 4406)	
Resolution	NTSC	PAL
D1 (4CIF)	720x480	720x576
2/3 D1	352x480	352x576
½ D1	352x240	352x288
CIF	176x120	352x144
Frame Rate	1 - 30 fps (programmable)	
Connectors	BNC (Dual – 2 BNC's/4406 [6])	
Stream Type	Elementary RTP (Dual)	
Data Rate	30Kbps to 3Mbps	

DATA PARAMETERS

Format	RS232/422
Handshake	Software Selectable
Data Rate	Up to 115.2 Kbps
Connectors	2 RJ-45's

PROGRAMMING PORT

Format	RS232
Connector	RJ-11

INDICATORS PARAMETERS

2-Line Scrolling Display
(5 Lines for Dual Encoder)
Video Loss LED
Serial Ports LED Activity (Tx/Rx)
Ethernet LED Activities
Power LED

NETWORK PARAMETERS

Data Rate	30Kbps to 6 Mbps
Ethernet	RJ-45
Interface	10/100 Base-T
Protocols	IEEE 802.3 Static or DHCP RTP, RTSP, UDP, TCP, IPv4, IGMPv.2 Multicast, Unicast, SAP

REGULATORY APPROVALS

North America	FCC Title 47, Subpart B, Section 15, Class A
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ENVIRONMENTAL

Temperature	-34°C to +74°C
Humidity	0 to 95% Non-Condensing
NEMA TS2	Passes Shock, Vibration & Transients
*Conformal Coating Available Upon Request	

POWER

95-130VAC, 200-240VAC, IEC Detachable Power Cord
58mA@120VAC (Single), 400mA@12VDC (-R)
500mA@120VAC (Dual), 400mA@12VDC (-R)

PHYSICAL Specifications

Full Width Box	19"W x 1.75"H (1RU) x 12"D
Half Width Box	8.5"H x 1.75"H (1RU) x 12"D
Weight	5lbs., 2oz. (4400), 8lbs., 2oz. (4406)
Card	5.2"W x 0.9" H x 10.2" D (4400)

ORDERING

VCX-4400	Single Channel
VCX-4402	Dual Channel Encoder
VCX-4406	6 Channel Encoder
-E	Encoder
-D	Decoder
-H	Half Width (4400 only)
-R	Rack Mount Card (4400 only)