

FEATURES & BENEFITS

MPEG-2 Encoding or Decoding over 1 or 2 T1/E1 Channels

- Direct 110/220VAC Power Input
- 1 RU 19" Rack Mount Package
- Full Motion Video up to D1 30fps Broadcast Quality
- 4 Data Sub-Channels (RS-232/422) to 38.4Kbps on T1/E1 appliance
- Built-in Inverse Multiplexer
- Integral CSU/DSU
- Fractional E1
- Ethernet Output Available
- Extended Temperature Range (-20°C to +70°C)
- SIF or ½D1 Resolution @ T1/E1 rates
- Card only available for Rack Mount Card Cage
- Diagnostics via Front Panel Fluorescent Display
- HyperTerminal Programmable Video Data and Network Parameters

APPLICATIONS

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

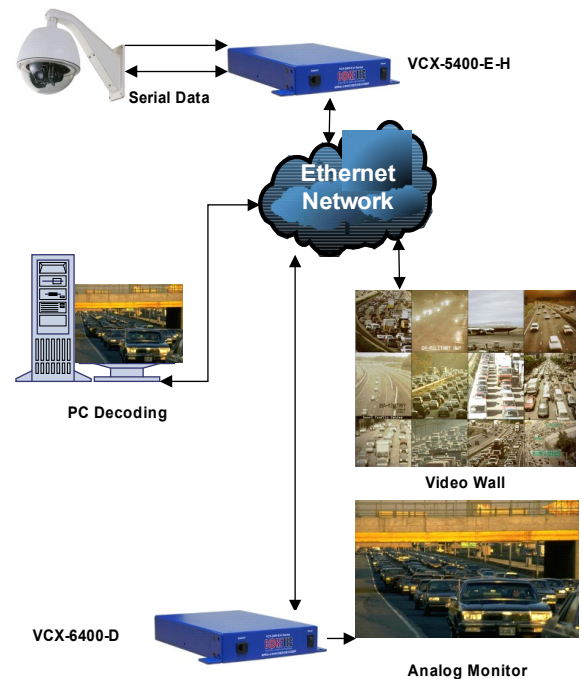
Rack Mount Full Size Encoder
(19"Wx1.75"Wx12"D)



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 4 RS 232/422 (Software Selectable)
IP Data Stream Available on Decoder

VIDEO PARAMETERS

Compression MPEG2

Resolution	NTSC	PAL
D1 (4CIF)	720x480	720x576*
2/3 D1	480x480	480x576*
1/2 D1	352x480	352x576
CIF	352x240	352x288

* Not Capable at 1 or 2 T1/E1

Frame Rate 30 FPS (@ 1.544/2.048Mbps)

Connectors BNC

DATA PARAMETERS

Two Ports Sub-Channel/Terminal
Format RS232/422
Handshake Software Selectable
Data Rate Up to 38.4 Kbps
Connectors 4 Male DB-9

PROGRAMMING PORT

Format RS232
Connector RJ-11

INDICATORS PARAMETERS

2-Line Scrolling Display

REGULATORY APPROVALS

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

NETWORK PARAMETERS

E1 Data Rate 1.526-8.192Mbps 1 to 4** Channels
(2.048Mbps/Channel)
T1 Data Rate 1.544-6.176Mbps 1 to 2 Channels
(1.544Mbps/Channel)
Connector RJ-48C
Line Coding HDB3 (AMI Optional) on E1
B8ZS** on (T1)
Framing E1 Unframed, T1 ESF***
Clocking Internal or Network***
** Fractional to 24 DS0's
***Other Settings Available

ENVIRONMENTAL

Temperature -20°C to +70°C Decoder
Humidity 0 to 95% Non-Condensing
NEMA TS2 Passes Vibration & Transients
*Conformal Coating Available Upon Request

POWER

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

PHYSICAL

Stand Alone 19"W x 1.75"H (1RU) x 12"D
Weight 5lbs., 2oz.
Card 5.2"W x 0.9" H x 10.2" D

ORDERING

VCX-2200 T1
VCX-2300 E1
-E Encoder
-D(N) Decoder (IP Data Stream Option)
-R Rack Mount Card