

## FEATURES & BENEFITS

Real Time High Quality AVC Video Encoding

Professional Video and Audio Inputs

Extensive Input Video Processing Prior Encoding:

- Time Based Correction
- Motion Adaptive 3D Noise Reduction
- Motion Adaptive 3D Comb Filter

AAC-Low Latency Complexity (AAC-LC) Audio

MPEG-1 & 2 Audio

Integrated High Quality Audio

MPEG1 Transport, AVC CODEC

## APPLICATIONS

Intelligent Transportation Systems  
Mass Transit  
Remote Surveillance  
Networked Video

Where High Data Compression is needed without Loss of Resolution

Easily Transport and Share IP Video and Audio with Local, State and Federal Agencies

The VCX-5400-E Hardened Video/Audio Encoder meets NEMA TS-2 Standard for Traffic Control Equipment

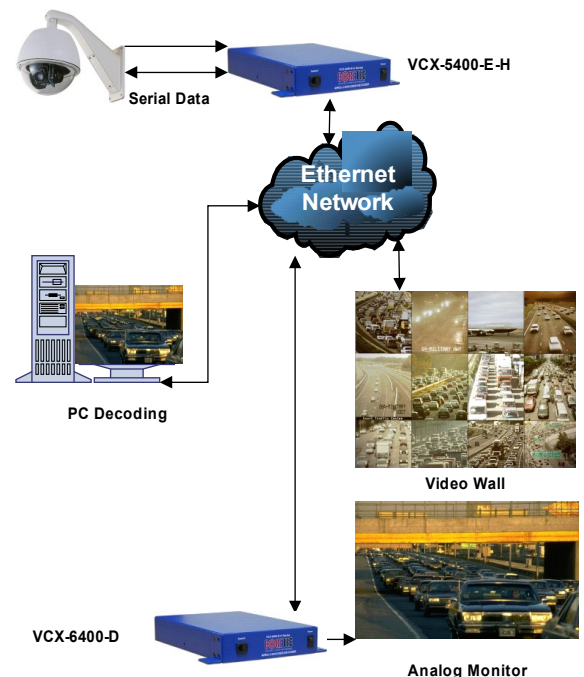
Rack Mount Full Size Encoder  
(19"Wx1.75"Wx12"D)



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



## TYPICAL CONFIGURATION



## INPUTS & OUTPUTS

Video NTSC/PAL (EAI RS170)  
1 volt p-p 75Ω 60Hz  
Audio 2 AAC, S/PDIF  
Data 2 RS 232/422/485

## VIDEO PARAMETERS

Compression H.264

Resolution	NTSC	PAL
D1 (4CIF)	720x480	720x576
2/3 D1	480x480	480x576
½ D1	352x480	352x576
CIF	352x240	352x288

Frame Rate 1 -30 FPS  
Connectors BNC

## AUDIO PARAMETERS

Resolution 24-bit A-D Conversion  
Encoding AAC-Low Complexity  
Sampling 22, 24, 32, 44 & 48 KHz  
Connectors Two Channel Balanced  
RST-5 pin

## SERIAL PORT PARAMETERS

Two Ports Sub-Channel/Terminal  
Format RS232/422/485  
Handshake Software Selectable  
Data Rate Up to 115.2 Kbps  
Connectors RJ-45

## NETWORK PARAMETERS

Data Rate 64 Kbps to 5 Mbps  
Ethernet RJ-45  
Interface 10/100 Base-T  
Protocols IEEE 802.3 Static or DHCP  
UDP, IPv.4, IGMPv.2  
Multicast

## REGULATORY APPROVALS

MPEG Table PAT and PMT  
DVB Table SDT, NIT, TDT(TOT)

## ENVIRONMENTAL

NEMA TS2  
Temperature -35°C to +76°C  
Humidity 0 to 95% Non-Condensing  
Vibration Passes  
Transients Passes  
\*Conformal Coating Available Upon Request

## POWER

95-130VAC, 200-240VAC

## PHYSICAL

Dimensions:

Full Size 19"W x 1.75"H x 12"D  
(1 RU High)

Half Size 8.5"H x 1.75"H x 12"D

## ORDERING INFORMATION

VCX-5400-E MPEG-4 AVC (H.264)  
Hardened Digital Video  
Encoder

VCX-6400-D Universal Stand Alone  
Decoder

2 Data Sub-Channels