

▶ V4400series MPEG2 Encoder/Decoder

DESCRIPTION

The Radiant Communications V4400 series provide broadcast quality, 30 frames per second full motion video over IP networks.

The device converts baseband audio and video to a stream of real time MPEG-2 standards compliant video with 30 frames per second to 10/100 Ethernet for transport in unicast or multicast mode depending on your needs. Bandwidth is user selectable from 1.5 to 7.5 Mbps on our standard version. With the new advanced version you can now run up to 15 Mbps over your network connection.

The V4410-T encoder can be ordered with a V4420-R decoder for viewing as a baseband signal. You can also receive the signal with a computer and a browser.

There are myriad of applications—CATV companies sending broadcast channels from TV station to a headend, or from one headend to multiple locations. Build your own IPTV system for an office or MDU and deliver the signals over a computer or decoder boxes.

Anywhere video/audio needs to be transported over an IP network the V4400 series can handle your needs. The V4400 can be multicast, meaning that one encoder can transmit to any number of network locations using either PC's or V4420-R decoders.



FEATURES

Full Motion MPEG-2 30 frames per second (4:2:0)

Now capable of 15 Mbps streams

Hardware Decoder

600 ohm audio with XLR connector option



**Radiant
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6/2006

V4400 MPEG-2 Encoder and Decoder

SPECIFICATIONS

Video/Audio

Video System: NTSC/PAL
Video Level: 1Vp-p
Video I/O Level: 75 Ohms
Audio: standard unit 2 channels (stereo), line level
X version 600 ohms with XLR connectors

Network

Data Rate: 1.5 to 7.5 Mbps on standard version
1.5 to 15 Mbps on advanced version
Connector: RJ45
Standard: IEEE 802.3
Protocols: Multicast, Unicast, IGMP, UDP, IP
Interface: 10/100Base-T

Compression

NTSC: 320x240 CIF, 352x480 1/2D1, 480x480 2/3D1, 720x480 D1
PAL: 352x288 CIF, 352x576 1/2D1, 480x576 2/3D1, 720x576 D1
Frame Rate: 30fps

General Characteristics

Power: 15W @ 90 to 240V AC
Operating Temp: -10° to 50° C
Storage Temp: -10° to 70° C
Size: 17.0" W x 13.0D x 1.75" H

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
V4410A-T	MPEG-2 Audio/Video Encoder with 15 Mbps Bandwidth capability
V4410-T	MPEG-2 Audio/Video Encoder with 7.5 Mbps Bandwidth capability
V4410X-R	MPEG-2 Audio/Video Encoder with XLR audio connectors, choose 7.5 or 15 mbps bandwidth capability
V4420-R	MPEG-2 Audio/Video Decoder
V4420X-R	MPEG2 Audio/Video Decoder with XLR audio connectors
V4425A	MPEG2 Audio/Video Transceiver (Encoder/Decoder), 2 sets, needs 2 IP addresses
V4425X	MPEG2 Audio/Video Transceiver (Encoder/Decoder) with XLR connectors, 2 sets needs 2 IP addresses

Note:

- Units are available in different packaging: **U**—IU rack mount, **M**—modular (standalone), **R**—card cage rack mount please state on your purchase order which variety you need.
- Add **-A** for 15 Mbps maximum bandwidth capability
- Add **-48** for 48VDC power
- Due to product enhancements, specifications are subject to change without notice.



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