

DESCRIPTION

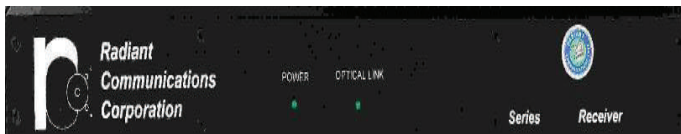
The Radiant Communications series VL4240 is a selectable MPEG-2 or MPEG-4 point to point unit. It provides video and audio synchronization for high quality, low bandwidth usage with full motion video over IP networks.

The device converts baseband audio and video or S-video to a stream of real time MPEG-2 or MPEG-4 standards compliant version offering video with 30 frames per second to 10/100/1000 Ethernet for transport in unicast mode. Depending on your network capabilities bandwidth is selectable from below one Mbps to 5 Mbps.

With a hardware decoder decompresses the audio video stream synchronously allowing for excellent lip sync conversion.

The VL4240 encoder must be ordered with a VL4240 decoder for viewing baseband signals. Otherwise a VLC media player can view the signals via a computer.

There are myriad of applications—Distance Learning, CATV companies sending broadcast channels from TV master controls to Headend, or from one Headend to multiple locations. Anywhere video/audio needs to be transported over an IP network the VL4240 series can handle the task.



VL4240 Selectable MPEG-2 or MPEG-4 Encoder/Decoder

BENEFITS

- Selectable MPEG-2 or MPEG-4 settings
- Video and Audio Synced for no lip sync problems
- Transmit baseband signals from below 1 MB to 5 MB

FEATURES

- Unicast or Multicast
- Hardware Decoder
- High Performance Compression

Selectable MPEG-2 or MPEG-4 Encoder
Video with Stereo Audio IN IP OUT



LED INDICATOR
GREEN: TX
RED: RX

Series VL4240-T

Selectable MPEG-2 or MPEG-4 Encoder
Video with Stereo Audio Out IP-IN



LED INDICATOR
GREEN: TX
RED: RX

Series VL4240-R



Radiant Communications Corporation

Phone: 908 757 7444 or 800 969 3427
Fax: 908 757 8666
E-mail: sales@rccfiber.com
www.rccfiber.com

P.O. Box 867
South Plainfield
NJ 07080
USA

8/2007

▶ VL4240 MPEG-2/4 Encoder/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
Y version 600 ohms with terminal strip connectors

Network

Data Rate: 512 kb to 5 Mbps
Connector: RJ45

Protocols

IEEE 802.3ab, 10Base-T, 100Base-T, 1000Base-T, 1000Base-SX/LX
Standard: IEEE 802.3
Protocols: Multicast, Unicast, IGMP, UDP, IP
Interface: 10 Base-T, 100Base-T, 1000 Base-T

Compression

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

General Characteristics

Power: 12 volt DC in
Operating Temp: 0° to 50° C
Storage Temp: -20° to 70° C
Humidity: 0%~90%, non-condensing
Size: 1U rackmount 17.0" W x 13.0D x 1.75" H

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
VL4240-T-XY	MPEG-2/4 Encoder
VL4240-R-XY	MPEG-2/4 Decoder

Note:

- Specify **X**—packaging of the unit: **U**—1U rack mount, **M**—modular (standalone) mount
- Specify **Y**—600 ohms with **XLR** connectors within packaging
- Due to product enhancements, specifications are subject to change without notice



**Radiant
Communications
Corporation**

Phone: 908 757 7444 or 800 969 3427
Fax: 908 757 8666
E-mail: sales@rccfiber.com
www.rccfiber.com

P.O. Box 867
South Plainfield
NJ 07080
USA

8/2007