

DESCRIPTION

The Radiant Communications V4135 is an Base band with Dolby Digital /AC3 audio to IP encoder for use in digital simulcast transmission systems. Designed to deliver high quality MPEG-2 video along with Dolby Digital Audio while using limited bandwidth to encode baseband video and audio feeds into IP output streams for transport over IP networks. User selectable settings of constant bit rate offer a clean and sharp picture. The unit will encode a stream up to 6 Mbps.

Built for easy installation into digital simulcast cable television systems as well as ENG, satellite, hotel CATV systems and other applications.

The unit allows users configure the selectable bit rate, PID values for PMT, PCR along with audio and video PIDs along and other features with simple GUI control web browser interface to integrate within your existing facility.

Anywhere video/audio needs to be converted to an IP signal the V4135 can handle the task.



Radiant Communications Corporation

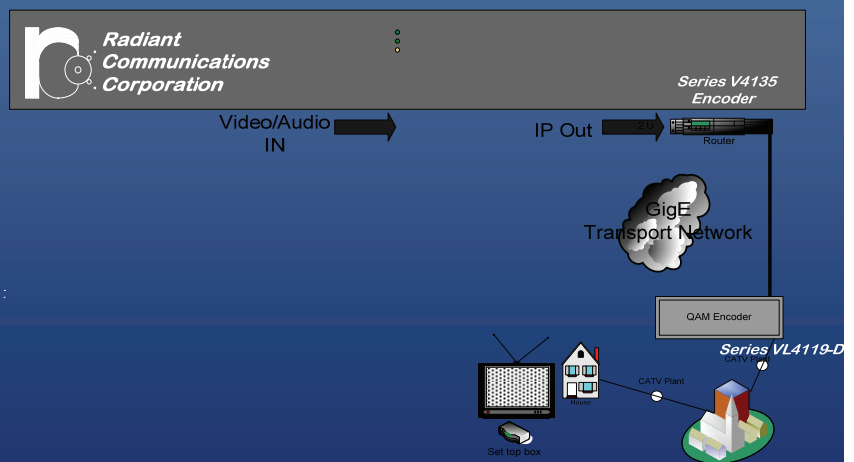
V4135 MPEG-2 Encoder with Dolby Digital Audio

BENEFITS

- Encode and transport video and audio with AC-3 format
- Broadcast Quality Video
- Transmit direct to converter boxes

FEATURES

- High Performance Compression
- MPEG-2 Standards Based
- 4:2:0 format



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

▶ V4135 MPEG-2 Encoder with Dolby Digital Audio

SPECIFICATIONS

Video

Baseband Video	1 NTSC or PAL
Connectors	BNC
Video Level	1 volt peak to peak nominal
AGC Range	-6 db minimum to +3db maximum
Input Impedance	75 Ohm
Aspect Ratio:	4:3
VBI formats:	Closed Caption not currently available

Audio

Connectors	2 Audio per video channel
Input Signal Level	Terminal Strip
Frequency response	1V RMS maximum
Input impedance	20 Hz - 20 kHz @48 kHz sample
	25 K Ohm minimum

Encoding

Video Compression	MPEG-2
Video Bit Rate	1.5 -6 Mbps Web controlled
Resolution	D1
Audio Compression	Dolby Digital./AC3
Audio Sample Rate	48 kHz
Audio Bit Rate	256-384 kbps

Transport Stream:

Output:	IP - 10/100 Mbps
Signals:	1 IP stream per input
Bit rate:	2 - 6 Mbps
Frame Rate:	30 frames per second
Connector:	Ethernet

Environmental

Operating Temperature:	0° to 50° C (32° to 122° F)
Storage Temperature:	-40° to 70° C (-40° to 158° F)
Relative Humidity:	+50° C (122° F) 5 to 95% non-condensing
Size:	17.0" W x 12.0" D x 1.75" H single channel
unit weight:	3.5 pounds
AC Power:	17.6 W @ 90 to 240V AC
Voltage range:	100 to 120/ 200 to 240 V AC ±10%
Line Frequency:	47 to 63 Hz

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
V4135	MPEG-2 Encoder with Dolby Digital/AC-3 Audio

Note:

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



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4/2007