VL4415 Series
SD MPEG2./h.264 to IP Encoder

VL4415 Series of products allows the MSO to replace the legacy analog audio and video fiber transmitters with cost effective MPEG2/h.264 encoder. The product allows encoding and transporting over IP CableLabs compliant stream, providing a cost-effective solution for most of the PEG, hub/headend and local insertion channel loading scenarios.

HIGHLIGHTS

♦ MPEG2/h.264 Video, Dolby Digital 2.0 Audio

♦ EIA-608 Closed Caption Support

♦ Scaling and De-Interlacing

♦ Field Upgradable

♦ Web based management

♦ Small Power and Temperature Footprint

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Radiant Communications Corp.
www.rccfiber.com

SPECIFICATIONS

COMPOSITE VIDEO/AUDIO

NTSC Composite, BNC, 75 Ohm

TS OUTPUT

ISO/IEC 13818 SPTS MPEG TS, RJ45 10/100

MANAGEMENT

In band management, Standalone web user interface, Console port

Processing

De-Interlacing, Scaling, EIA608 Closed Captions, SCTE35 (optional)

ENVIROMENTAL AND POWER

Power	7W @ 90 to 240VAC (DC Power Brick)
Weight	0.5lb
Operational Temp	0° to 50° C
Storage Temp	-20° to 75° C
Dimensions	Modular 6.0" W x 4.5"D x 1.75" H

ENCODER

MPEG-2 MP@ML	1-7.5Mbps
h.264 MP@L3.0	0.5—4Mbps
RESOLUTIONS:	D1, 3/4D1, 2/3D1, 1/2D1
GOP:	Configurable with I and P frames
FRAMERATES:	29.97, 30
CHROMA:	4:2:0
Aspect Ratio:	4:3 or 16:9
AUDIO CODEC:	Dolby Digital 2.0
SAMPLING RATE:	48kHz
BITRATE:	96-384kbps

ORDEING INOFRMATION

VL4415	IP Encoder, 1 x CVBS Input

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