

VL4425B Series SD MPEG2 to GigE Encoder



VL4425 Series of products allows the MSO to replace the legacy analog audio and video fiber transmitters with cost effective digital multi-channel encoder. That transport eliminates fiber receiver, encoder and groomer from the headend, thus way reducing rack space, power consumption and heat dissipation. The product allows the encoding and transporting over GigE multiple CableLabs compliant streams, providing a high-quality cost-effective solution for most of the PEG, hub/headend and local insertion channel loading scenarios.



HIGHLIGHTS

- ◆ Scalable up to 4 channels per 1RU
- ◆ DVB ASI Input port
- ◆ MPEG2 Video, Dolby Digital 2.0 Audio
- ◆ EIA-608 Closed Caption Support
- ◆ Video Time Base Correction TBC
- ◆ GigE SFP Output
- ◆ Field Upgradable
- ◆ Out of band management
- ◆ Small Power and Temperature Footprint

VL4425B Series

SD MPEG2 to GigE Encoder

SPECIFICATIONS

ASI INPUT

DVB ASI Input, BNC, 75 Ohm

COMPOSITE VIDEO/AUDIO

NTSC Composite, BNC, 75 Ohm, S-Video Input, EIA-608 Closed Captions, Video Time Base Correction (TBC)

TS OUTPUT

GigE IP Output with CBR 54M or 108M rates, SFP Cage

MANAGEMENT

10/100 Out of Band management port, Front panel LCD, Keypad and LED

ENVIRONMENTAL AND POWER

| | |
|------------------|---|
| Power | 19W (per channel) @ 90 to 240VAC (DC Power Brick) |
| Weight | 5lb |
| Operational Temp | 0° to 50° C |
| Storage Temp | -10° to 60° C |
| Dimensions | 1RU 17.0" W x 9.0"D x 1.75" H |

ENCODER

| | |
|----------------|-------------------------------------|
| MPEG-2 MP@ML | 1-15Mbps |
| RESOLUTIONS: | D1, 3/4D1, 2/3D1, 1/2D1 |
| GOP: | Configurable with I, B and P frames |
| FRAMERATES: | 29.97, 30 |
| CHROMA: | 4:2:0 |
| AUDIO CODEC: | Dolby Digital 2.0 |
| SAMPLING RATE: | 48kHz |
| BITRATE: | 96-384kbps |

ORDERING INFORMATION

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|----------------------|---|
| VL4425B-1 | GigE Encoder, 1 x CVBS/S-Video Input, ASI Input |
| VL4425B-2 | GigE Encoder, 2 x CVBS/S-Video Input, ASI Input |
| VL4425B-3 | GigE Encoder, 3 x CVBS/S-Video Input, ASI Input |
| VL4425B-4 | GigE Encoder, 4 x CVBS/S-Video Input, ASI Input |
| VVL4525BC-ECB | MPEG2/Dolby Encoder Card |

Add "-48" at the end of the part number for 48VDC power option