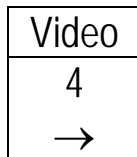
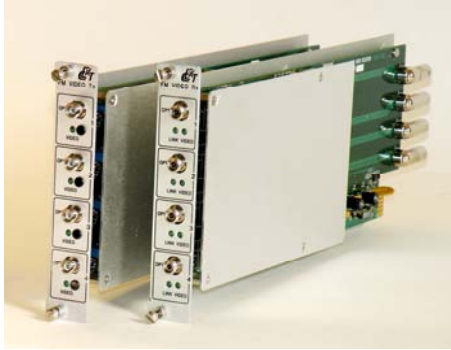


ECT400B

QUAD VIDEO FM OPTICAL LINK WITH 26 MHZ CHANNEL BANDWIDTH



The ECT400B system provides high performance link for transmitting up to four unidirectional composite video signals over four or two fiber optic cables. The system features CCTV professional video quality and guarantees quality transmission of video signals with maximum bandwidth up to 26 MHz.

The system is designed for transmission of high resolution video signals (700+ TVL) and other special applications that may require wide band transmission path.

All ECT400B transmitter/receiver cards are fully compatible with any ECT100B-MM and ECT100B type systems allowing for mixed configurations when required.

The ECT400B utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

ORDERING INFORMATION

400BE-VT-XYZ – transmitter

400BE-VR-XYZ – receiver

- E = M for multimode
- = M(13) for multimode 1300nm
- = S for single mode 1310nm
- = S(15) for single mode 1550nm
- X = M for module
- = C for rack card*
- Y = 4 or 2 for number of fibers
- Z = ST or FC connectors

*compatible with USR type chassis

FEATURES

- ❑ Near Broadcast Video Quality
- ❑ Up to 26 MHz Video Bandwidth
- ❑ Balanced Video Inputs
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Four Video Channels per Single Card
- ❑ Multimode and Singlemode Versions
- ❑ Four or Two Fiber Configurations
- ❑ Power and Signal Status Indicators

| Operating Wavelength | 850 nm | 1300 nm | 1310/1550nm |
|------------------------|-----------|---------|-------------|
| Optical Core Diameter | 50μ/62.5μ | | 8/10μ |
| Optical Power Source | VCSEL | LED | Laser |
| Optical Power Output* | -8 dBm | -14 dBm | -8 dBm |
| Receiver Sensitivity | -28 dBm | -30 dBm | -30 dBm |
| Receiver Sensitivity** | -26 dBm | -28 dBm | -28 dBm |
| Optical Connectors | ST | | FC, ST |

* with +/- 1 dBm variation

** for two fiber configuration

| | |
|--------------------------|--|
| Video Bandwidth @1dB | 26 MHz |
| Video Input | 75 Ohm balanced |
| Video Output | 75 Ohm unbalanced |
| Video Input/Output Level | NTSC: 1.0 V p-p, PAL: 1.3 V p-p |
| Signal-to-Noise Ratio | 66 dB* |
| Differential Gain | < 2 % |
| Differential Phase | < 2 ° |
| Field Tilt | < 1.0 % |
| Luminance Non-Linearity | < 2 % |
| Operating Temperature | -30°C to +70°C (-22°F to +158°F) |
| Power Requirements | 12VDC/0.4A |
| Dimensions | 11.6"(270mm) x 5.2"(132mm) x 1.05"(27mm) |

* measured as per RS-250C @ 1km, 62.5μ cable



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