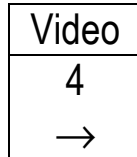
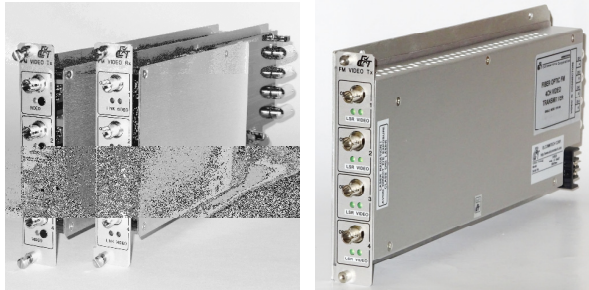


## ECT400B

## FOUR CHANNEL VIDEO FM OPTICAL LINK WITH 30 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 30 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.

### FEATURES

- ❑ Near Broadcast Video Quality
- ❑ Up to 30 MHz Video Bandwidth
- ❑ Balanced Video Inputs
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Four Video Channels per Single Card
- ❑ Multimode and Singlemode Versions
- ❑ Four, Two and One Fiber Configurations
- ❑ Power and Signal Status Indicators

Operating Wavelength	850 nm	1300 nm	1310/1550 nm
Optical Core Diameter	50μ/62.5μ		8/10μ
Optical Power Source	VCSEL	LED	Laser
Optical Power Output*	-7 dBm	-14 dBm	-8 dBm
Receiver Sensitivity:			
Standard Version	-31 dBm	-33 dBm	-35 dBm
Standard Version**	-30 dBm	-32 dBm	-34 dBm
Optical Connectors	ST, SC		FC, SC, SC

\* with +/- 1 dBm variation

\*\* for two and one fiber configuration

Video Bandwidth @ 2 dB	10 Hz - 30 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	< 3 %
Differential Phase	< 3 °
Field Tilt	< 1 %
Luminance Non-Linearity	< 3 %
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Power Requirements (transmitter)	12VDC/0.3A
Power Requirements (receiver)	12VDC/0.5A
Dimensions	11.6"(295 mm) x 5.2"(132 mm) x 1.05"(27 mm)
Mean Time Between Failures (MTBF):	>100,000 Hrs.

\* measured as per RS-250C @ 100m for multimode and 1km for single mode optical cable.



## ORDERING INFORMATION

400BE-VT-MYZ – transmitter module  
400BE-VR-MYZ – receiver module, standard version  
400BEH-VR-MYZ – receiver module, high sensitivity version  
400BE-VT-CYZ – transmitter card\*  
400BE-VR-CYZ – receiver card, standard version\*  
400BEH-VR-CYZ – receiver card, high sensitivity version\*

**E** = **M** for multimode 850 nm  
= **M(13)** for multimode 1300 nm  
= **S** for single mode receiver or 1310 nm transmitter  
= **SP** for single mode high power ( $\geq 0$  dBm) 1310 nm transmitter  
= **SPD** for single mode high power ( $\geq 0$  dBm) 1310 nm / DFB transmitter  
= **S(15)** for single mode 1550 nm transmitter  
= **S(15)P** for single mode high power ( $\geq 0$  dBm) 1550 nm transmitter  
= **S(15)D** for single mode 1550 nm / DFB transmitter  
= **S(15)PD** for high power ( $\geq 0$  dBm) 1550 nm / DFB transmitter  
= **S(W)** for single mode CWDM / DFB transmitter  
= **S(W)P** for high power ( $\geq 0$  dBm) CWDM / DFB transmitter

CWDM wavelength (**W**): **14.7**(1470 nm), **14.9**(1490 nm), **15.1**(1510 nm), **15.3**(1530 nm),  
**15.5**(1550 nm), **15.7**(1570nm), **15.9**(1590 nm), **16.1**(1610 nm).

**Y** = **2, 4** for number of fiber

**Z** = **FC, SC, ST** for optical connectors

\*compatible with *USR* type chassis;

**Note:** The specifications are subject to change without notice.



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