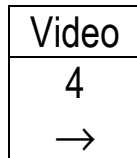
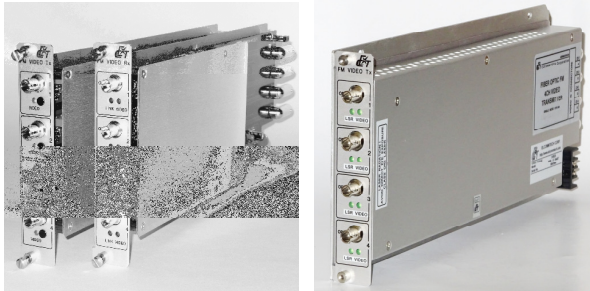


## ECT400

## FOUR CHANNEL VIDEO FM OPTICAL LINK



The ECT400 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 18 MHz.

All ECT400 transmitter/receiver cards are fully compatible with any ECT100MM and ECT100 type systems allowing for mixed configurations when required.

The ECT400 utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

### FEATURES

- ❑ Near Broadcast Video Quality
- ❑ Balanced Video Inputs
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Four Video Channels per Single Card
- ❑ Multimode and Singlemode Versions
- ❑ Four, Two or 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 or one fiber configuration

Video Bandwidth @ 2 dB	10 Hz - 18 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	68 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)	11 – 15 VDC/0.3A
Power Requirements (receiver)	11 – 15 VDC/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 @ 1km, 62.5μ cable



## ORDERING INFORMATION

400E-VT-MYZ – transmitter module  
400E-VR-MYZ – receiver module, standard version  
400EH-VR-MYZ – receiver module, high sensitivity version  
400E-VT-CYZ – transmitter card\*  
400E-VR-CYZ – receiver card, standard version\*  
400EH-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;*



Elcommtech Corp. 2620 Ocean Parkway, Suite 4H, Brooklyn, NY 11235  
Tel (718) 743-2869 • Fax (718)648-3642 • E-mail [sales@elcommtech.com](mailto:sales@elcommtech.com)  
<http://www.elcommtech.com>