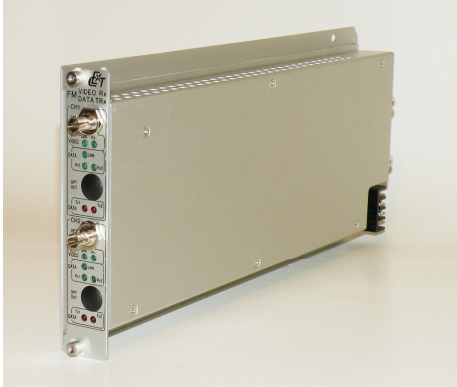
ECT206 DUAL VIDEO WITH UP-THE-COAX P/T/Z DATA CHANNELS FM OPTICAL RECEIVER



Video	Data
2	4
→	←

ECT206 system provides high performance link for receiving of two unidirectional composite video channels along with transmitting of up-the-coax data channels over two or four fibers. The system features CCTV professional video quality and high speed up-the-coax P/T/Z control data transfer capability. ECT206 utilizes linear frequency demodulation and very low noise reception technology to assure high quality and stability.

FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ High Speed P/T/Z Data Transmission
- ❑ Compatible with all existing Up-the-Coax P/T/Z control systems
- ❑ Multimode and Singlemode Versions
- ❑ 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
Video Receiver Sensitivity	-31 dBm	-33 dBm	-35 dBm
Video Receiver Sensitivity**	-30 dBm	-32 dBm	-34 dBm
Optical Connectors	ST, SC		FC, ST, SC

** with +/- 1 dBm variation; higher power laser sources are available per special request;*
*** for one-fiber configuration with internal WDM*

Video Bandwidth @ 3 dB	7 MHz
Video Output	75 Ohm unbalanced
Video Output Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Signal-to-Noise Ratio	62 dB*
Differential Gain	< 4 %
Differential Phase	< 4 °
Field Tilt	< 2 %
Luminance Non-Linearity	< 4 %
Data Interface	Up-the-Coax
Power Requirements	11 - 15 VDC @ 400mA
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Dimensions (w/o connectors)	11.6"(295 mm) x 5.2"(132 mm) x 1.05"(27 mm)

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

ORDERING INFORMATION

206**E**-VR/DT-C**YZ** – 2 x Video RX/up-the-coax data TX card
206**E**-VR/DT-M**YZ** – 2 x Video RX/ up-the-coax data TX module
TX - transmitter, RX – receiver

E = **M** for multimode 850 nm/TX
= **M(13)** for multimode 1300 nm/TX
= **S** for single mode 1310 nm/TX
= **S(15)** for single mode 1550 nm/TX

Y = **2** for single fiber system (1 fiber per channel)
= **4** for dual fiber system (2 fibers per channel)

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

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