

ECT206H

DUAL VIDEO WITH UP-THE COAX P/T/Z DATA CHANNELS DIGITAL OPTICAL LINK



Video	Data
2	4
→	↔

ECT206H system provides high performance link for transmitting of two unidirectional composite video channels along with transmitting of up-the-coax data channels over two or four fibers. The system features broadcast video quality providing 10-bit video processing with uncompressed digital transmission. ECT206H utilizes high speed analog-to-digital and digital-to-analog conversion with 10-bit resolution, digital signal processing, time division multiplexing, fibre optic transmission at a data rate of up to 1400 Mbit/sec and high speed up-the-coax P/T/Z control data transfer capability.

ORDERING INFORMATION

206HE-VR/DT-CYZ – 2 x Video RX/up-the-coax data TX card
 206HE-VR/DT-MYZ – 2 x Video RX/ up-the-coax data TX module
 RX – receiver, TX - transmitter

- E = M for multimode 850 nm/TX
- = S for single mode 1310 nm/TX
- = S(15) for single mode 1550 nm/TX
- Y = 2 for dual fiber system (1 fiber per channel)
- = 4 for four fiber system (2 fiber per channel)
- Z = ST, SC, FC for optical connectors

FEATURES

- ❑ Broadcast 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	850/1300 nm	1310/1550nm
Optical Core Diameter	50μ/62.5μ		8/10μ
Optical Power Source	VCSEL	LED	Laser
Optical Power Output*	-3 dBm	-14 dBm	-3 dBm
Receiver Sensitivity	-30 dBm		-33 dBm
Receiver Sensitivity**	-28 dBm		-31 dBm
Optical Connectors	ST, SC		ST, SC, FC

* with +/- 1 dBm variation; higher power laser sources are available per special request;

** for one-fiber configuration with internal WDM.

Video Bandwidth @ 2 dB*	10 MHz
Video Conversion Resolution	10 bit
Video Input	75 Ohm balanced
Video Output	75 Ohm unbalanced
Video In/Out Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Signal-to-Noise Ratio**	64 dB
Differential Gain	< 0.5 %
Differential Phase	< 0.5 °
Field Tilt	< 0.5 %
Luminance Non-Linearity	< 0.5 %
Data Interface	Up-the-Coax
Power Requirements	11 - 15 VDC @ 600 mA
Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Dimensions	11.6"(295 mm) x 5.2"(132 mm) x 1.05"(27mm)
(w/o connectors)	

* higher video bandwidth (up to 30 MHz) is available per special request;

** measured as per RS-250C @ 4km, 8-9μ cable.

