ECT204 TWO CHANNEL VIDEO RECEIVER WITH FOUR DUPLEX DATA CHANNELS FM OPTICAL LINK

Video	Data
2	4
→	↔

ECT204 system provides high performance link for receiving of two unidirectional composite video channels along with four bi-directional data channels over two or four fibers. The system features CCTV professional video quality and high speed data transfer capability. ECT204 utilizes linear frequency demodulation and very low noise reception technology to assure high quality and stability. ECT204 is fully compatible with ECT102 Video TX and Data TRX.

FEATURES

- CCTV Professional Video Quality
- Compatible with NTSC, PAL and SECAM Transmission
- Four Duplex Multi-format Data Channel
- Multimode and Singlemode Versions
- Power and Signal Status Indicators

Operating Wavelength	850 nm	1310/1550 nm
Optical Core Diameter	**50µ/62.5µ**	**8/10µ**
Optical Power Source	VCSEL	Laser
Optical Power Output*	-4 dBm	-4 dBm
Video & Data Receiver Sensitivity	-31 dBm	-35 dBm
Video & Data Receiver Sensitivity**	N/A	-34 dBm
Optical Connectors	ST, SC	FC, ST, SC

** with +/- 1 dBm variation*
*** for one fiber per channel configuration with internal WDM*

Video Bandwidth @ 3 dB	7 MHz
Video Output	75 Ohm unbalanced
Video Output Level	NTSC: 1.0 Vp., PAL: 1.3 Vp.
Signal-to-Noise Ratio	62 dB*
Diff. Gain (max)	4 %
Diff. Phase (max)	4 %
Field Tilt (max)	2 %
Luminance Non-Linearity (max)	4 %
Data Rate	DC to 200 Kb/s
Bit Error Rate	10^{-9}
Power Requirements	11 - 15 VDC @ 400mA
Operating Temperature	-20°C to +70°C -4°F to +158°F
Dimensions (w/o connectors)	11.6" x 5.2" x 1.05" 295 mm x 132 mm x 27 mm

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

ORDERING INFORMATION

204**E**-VR/DX**F**-**XYZ** – 2 x Video RX/data TRX module
RX – receiver, TRX - transceiver

E = **M** for multimode 850 nm (4 fiber only)
= **S** for single mode receiver and 1310nm transmitter
= **S(15)** for single mode receiver and 1550nm transmitter
= **S(15)D** for single mode DFB 1550 nm transmitter

F = **1** for TTL/CMOS data format;
= **3** for RS-232 data format;
= **4** for RS-422 data format;
= **5** for RS-485 data format;
= **7** for 20 mA current loop data format;
= **9** for contact closure data format

X = **M** - module style, **C** - rack card style (USR series chassis)

Y = **2** for two fiber system (for single mode only)
= **4** for four fiber system (2 fiber per channel)

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

Note: The specifications are subject to change without notice.

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

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