

ECT2000 SERIES

ECT2400

4 CHANNEL 8-BIT DIGITAL VIDEO MULTIPLEXER



FEATURES

- ❑ CCTV Professional Video Quality with 8-bit Uncompressed Video Processing
- ❑ Supports NTSC, PAL, SECAM and Component (YUV, RGB, Y/C) Video Formats
- ❑ Utilizes Single Fiber and Single Wavelength
- ❑ Multifunction Power and Signal Status Indicators



The ECT2400 system provides a high performance link for transmitting up to four unidirectional composite video signals over a single fiber optic cable (single wavelength.) The system features professional CCTV video quality providing 8-bit video processing with uncompressed digital transmission. ECT2400 utilizes high speed Analog-to-Digital and Digital-to-Analog Conversion with 8-Bit Resolution, Digital Signal Processing, Time Division Multiplexing and Fibre Optic Transmission at a data rate of up to 500 Mbit/sec.

ORDERING INFORMATION

2400-UG-VT-X1Z – 4 ch. transmitter
 2400-UG-VR-X1Z – 4 ch. receiver

G = M for multimode
 = S for singlemode 1310nm
 = S(15) for singlemode 1550nm
 X = C for card style*
 = M for module style
 Z = ST, FC, SC optical connectors

*compatible with USR series chassis

| Fiber Type | Multimode | | Singlemode |
|-----------------------|----------------|-------|--------------|
| | 50μ | 62.5μ | 8/10μ |
| Optical Core Diameter | 50μ | 62.5μ | 8/10μ |
| Operating Wavelength | 850 | | 1310/1550 nm |
| Optical Power Source | Laser (VCSEL) | | Laser |
| Optical Power Output | 0 dBm* | | -4 dBm* |
| Receiver Sensitivity | -23 dBm | | -25 dBm |
| Attenuation Budget | 23 dB | | 21 dB |
| Optical Connectors | ST, FC or SC** | | |

* higher power laser sources are available per special request

| | |
|-------------------------|--|
| Video Bandwidth @ 1dB | 5mHz |
| Video Input | 75Ω balanced |
| Video Input Level | NTSC: 1.0 V p-p, PAL: 1.3 V p-p |
| Signal-to-Noise Ratio | 56 dB** |
| Differential Gain | < 1.0 % |
| Differential Phase | < 1.0 ° |
| Field Tilt | < 0.5 % |
| Luminance Non-Linearity | < 1.0% |
| Chrominance/ | < 30ns |
| Luminance Delay | |
| Power Requirements | 12 V DC @ 0.4A or 24 V AC @ 0.3A |
| Operating Temperature | -30°C to +70°C (-22°F to +158°F) |
| Module Dimensions | 8.00"(203mm) x 5.00"(127mm) x x 1.35"(34mm) |
| Card Dimensions | 11.55"(293mm) x 5.23"(133mm) x x 1"(25.4mm) |

* wider video bandwidth is available per special request

** measured with ECT2400 receiver as per RS-250C



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