

Specifications

Optical

Wavelength	1300 nm, 1550 nm or 1550 nm DFB (optional), designated at time of purchase.
Fiber	Single mode over a maximum of 30 km.
Optical Data Rate	1.47 Gb/s
Optical Source	Laser diode
Fiber Types	Single mode. Consult the factory concerning multimode fiber.
Wavelength	1300 nm, 1550 nm (optional)
Link Margin	15 dB
Distance	
@ 1300 nm	30 km maximum
@ 1550 nm	5 km (dispersion limited) maximum
@ 1550 nm dFB	60 km maximum

Video and Data

NTSC and PAL signals at any of the 8 signal channels when switched to video. Adder data at any of the 8 signal channels when switched to data, and at the auxiliary input.

Interface	RS-170, NTSC, PAL
Input/Output Impedance	75 Ω
Video Signal to Noise Ratio	> 50 dB
Frequency Response (5 Hz to 6 MHz)	\pm 0.5 dB
Differential Gain	\leq 2%
Differential Phase	\leq 2 $^{\circ}$
Chrom-Lum Display	<15 nS NTSC, <25 nS PAL

Power Requirements

Voltage:	12 to 24 VDC
Current:	2.0 Amp maximum
Power:	<20 watts

Note: Although the units will operate at 12 VDC, 13.8 VDC is required to charge the internal UPS battery. Absolute maximum voltage is 30 VDC. Equipment damage may occur at higher voltages.

Mechanical/Environmental

Dimensions (L x W x H)	16.7" x 10.5" x 1.75"
Weight, each unit	5 lbs
Connectors	
Electrical	BNC
Optical	ST (standard), SC/APC (optional)
Temperature Range	- 40 ∞ C to + 55 ∞ C
Humidity Range	0 to 95%, non-condensing