

▶ VL7200 Supermux III

DESCRIPTION



The VL7200 Supermux III is an updated version of the original Supermux (VL7000). The new version transmits Gigabit Ethernet plus everything else the original product did — one baseband video, two audio channels, T1, and simple data (RS232 or RS422). The VL7200 Supermux III transmits all the information in both directions using two fibers for distances up to 70 km and higher. As with the original Supermux, the quality of the information sent is extremely high. The baseband video has a SNR of greater than 60 dB. The audio can be either stereo or mono (one channel) with an 80 dB SNR. The Gigabit Ethernet, which is the new feature, is actually an SX to Lx converter (850nm to 1300 singlemode). The T1 can be any format — AMI or B8ZS.

BENEFITS



All in one device while transmitting both ways

Gigabit Ethernet

One Baseband Video

Two Audio channels

T1 Line

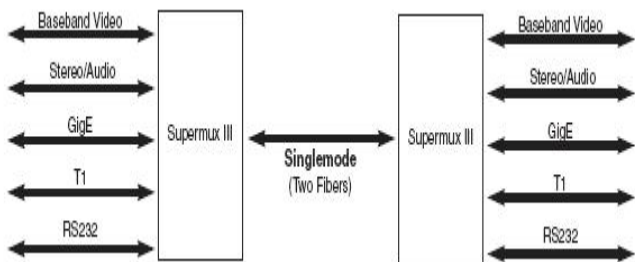
Simple Data —RS232 or RS422

FEATURES



Two fiber version

Full Duplex operation



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SPECIFICATIONS

Video

Video Format: NTSC, PAL
 Bandwidth: 6 MHz, 8 bit video
 Input/Output Level: 75 Ohms
 Signal Level: 1 volt peak to peak
 Intermodulation: <2%
 SNR/CTN: >60 db minimum 64 dB typical
 Electrical Connection: BNC
 Differential Phase: <2° (10 to 90% APL)
 Differential Gain: <4% (10 to 90% APL)
 Tilt: <2%
 Chrominance to Gain: <± 4%
 Luminance Delay: 33 nanoseconds

Audio

Bandwidth: 20 Hz to 20 KHz (per channel)
 Input/Output: 0 dBm @ 600 Ohms balanced or unbalanced
 SNR: 80 dB (min)
 Connector: Terminal Block

Ethernet

Standards: IEEE 802.3z
 Data Rate: 1000 Mbps
 Connector: RJ45 & AUI

TI

Format: AMI or B8ZS
 Data Rate: 1.544 Mbps
 Connector: DB15

Data

RS232: 128 Kbps
 RS422: 1 Mbps
 Connector: DB9

Optical

Wavelength: 1310nm, 1550nm,
 Number of Fibers: 2
 Optical Connector: SC/APC, SC, FC, FC/APC

General Characteristics

Power: 115 V or 220V AC @ 3 A
 Operating Temp: 0° to 50° C
 Size: 17.0" W x 14.0" D x 1.75" H

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
VL7200/SM	Transceiver Chassis, 1 Fibers Singlemode	14 dB	40 km
VL7200/SMHP	Transceiver Chassis, 1 Fiber Singlemode	20 dB	70 km

Note:

- Specify **X**—packaging of the unit: **U**—IU rack mount, **M**—modular (standalone) mount
- Specify **Y**—connector type: **A**—SC/APC, **E**—SC, **B**—FC, **Z**—FC/APC, **D**—ST
- For higher optical budgets and distances, CWDM and DWDM systems, contact factory



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