

DESCRIPTION

The Radiant Communications VL7500Series is the ultimate multimedia multiplexer — that is why we call it the Ultramux. This is a point-to-point optical multiplexing system which can transmit five channels of bi-directional information using two singlemode fibers. Each channel can be any Radiant stand-alone system (with a few exceptions). Each custom-configured VL7500 Ultramux System is housed in a rack mount system cabinet ranging in size from 4U (7.0") high to 10U (17.5") high. There are many other available options, including SNMP management and redundant power supply.

Here is an example. A school district with 10 locations wants to be linked in a star configuration as follows:

- Broadband Video: Each school will receive 80 channels and originate 5 channels.
- Telephony: PBX in each school to be linked via T1.
- LAN: The LAN'S in each school to be connected together via Gigabit Ethernet.
- Baseband Video: Each school needs up to 20 cameras for security TV, with each camera to have pan/tilt/zoom (PTZ) capability. This information needs to be transmitted back to a central monitoring point.
- Audio/Data: Security system including intercom and fire alarm.

▶ VL7500 Ultramux

▶ BENEFITS

Any products Radiant offers can be combined

One or two fiber system transmitting in both directions



Transmission distances of 100 km or more

▶ FEATURES

Design your system with what you need

Baseband Video

Broadband Video

Ethernet

Data



Telephony



**Radiant
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2/2005

▶ VL7500 Ultramux

SPECIFICATIONS

Please refer to the specific product sheets that you select for your Ultramux

Optical

Wavelength: 850nm, 1310nm, 1550nm, CWDM, DWDM
Number of Fibers: 1 or 2
Optical Connector: SC/APC, SC, ST, FC, FC/APC

General Characteristics

Power: 10W @ 90 to 240V AC
Operating Temperature: 0° to 50° C
Operating Temperature: -20° to 85° C

Size: rackmount 17.0" W x 13.0" D x 1.75" H

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
VL7500-UY5	Ultramux, 1 or 2 Fibers, Singlemode 1550 nm	20 dB	100 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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