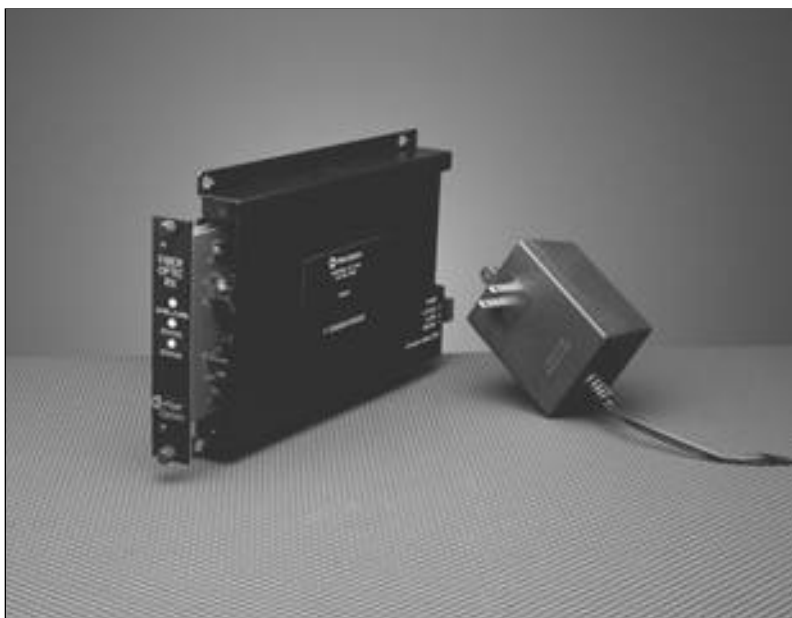
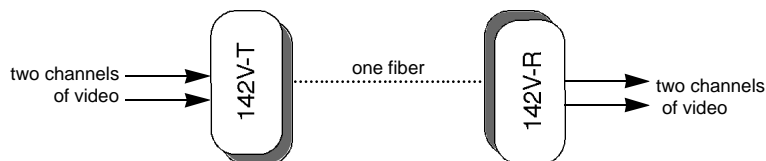


TWO-CHANNEL VIDEO MULTIPLEXER MULTIMODE FIBER

142V



The Series 142V Video Multiplexer System offers simultaneous transmission of full-frame video signals (color or monochrome) over a single fiber-optic cable. The system consists of a dual-channel transmitter and a dual-channel receiver. The transmitter has a video-presence indicator for both video inputs. The receiver module includes a Level/ Loss™ indicator for monitoring the optical fiber. The Series 142V may be ordered either as a standalone unit in a 501R Miniature Enclosure, or in rack versions which may be easily mounted in Fiber Options' Series 515R Card Cage System or Series 517R Racking System.



For a four-channel version of this product, refer to specifications on the 144V series. For a single-mode version of this product refer to the specification on the 2142V series.

FEATURES

- Two Channels of Simultaneous Video One-Way Over One Multimode Fiber.
- AGC Circuitry.
- Diagnostic Indicators: Level/Loss™ and Video Status.
- Operates Over Distances Up To 10,000 Feet (3048 Meters).
- Standalone Units or Rack Cards.

VIDEO

- Bandwidth: 6 MHz per channel.
- Signal-to-Noise Ratio: > 54 dB @ maximum optical attenuation.
- I/O Level: 1 V peak-to-peak.
- I/O Impedance: 75 ohms ± 10%.
- Differential Gain: < 3%.
- Differential Phase: < 3°.
- Connectors: Optical, AT&T Type ST; Video, BNC.

POWER/TEMPERATURE/SIZE

- 12 VDC at 500 mA.
- Operates at 32° to 122° F (0° to 50° C).
- Storage at -40° to 185° F (-40° to 85° C).
- Standalone units in 501R: 9.25" D x 6.33" W x 1.05" H (23.5 x 16.08 x 2.67 cm).
- Rack units occupy one rack slot.

OPTIONS

- One 612P adapter required with standalone units.

Part Number	Description	Product Code	Fiber Qty / Size	Maximum Attenuation	Wavelength	Comments
142V-T	Transmitter	1BXX	1 / 62.5 μ	10 dB	850 nm	AT&T Type ST optical connectors are standard.
142V-R	Receiver	1BXX	1 / 62.5 μ	10 dB	850 nm	
142VL-T	Transmitter	1BXX	1 / 62.5 μ	10 dB	1300 nm	If ordering units for use with 50μ fiber reduce the optical budget by 3 dB. Higher optical budgets available. Consult factory.
142VL-R	Receiver	1BXX	1 / 62.5 μ	10 dB	1300 nm	

Units are each furnished in a separate 501R Miniature Enclosure. To specify units for use in the 515R or 517R add -R to the part number shown above.