



FiberLink® Beamer-V Composite Video over Fiber



FEATURES

Ideal application for security, AV Confidence Monitoring

Transmits up to three kilometers over multimode fiber at 850 nm

8 MHz video bandwidth

May be purchased as a complete, low cost system including transmitter, receiver and two power supplies

Card version supports dual video channels

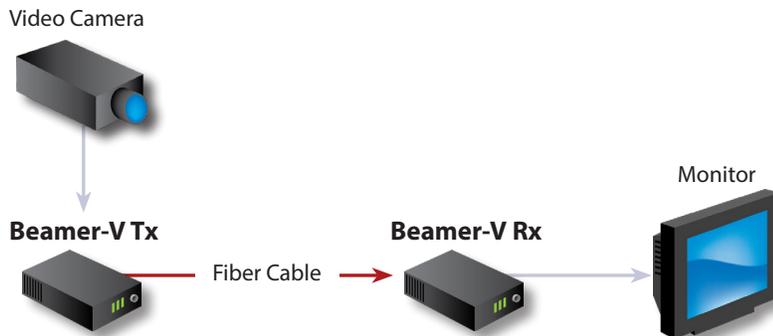
Card version fills one slot in 6000A card cage

Fiber is immune to the effects of electrical interference, ground loops, explosive and hazardous environments, moisture and high voltage

Fiber optic transmission of composite video in a simple, low-cost system

The Beamer-V provides fiber optic transmission of composite video in a simple, low-cost system. It transmits up to three kilometers over multimode fiber at 850 nm at 8 MHz video

bandwidth. Beamer-V is ideal for Security and A/V Confidence Monitoring applications.



SPECIFICATIONS

Video Specifications

Number of Channels	1
Number of Outputs per Channel	Box: 1; Card: 2
Bandwidth	8 MHz
Input/Output Impedance	75 Ohms
Signal-to-Noise Ratio (per RS-250)	52 dB minimum
Differential Gain (per RS-250)	2% typical
Differential Phase (per RS-250)	1° typical
Input/Output Voltage	1 volt p-p (user adjustable at receiver)

General Specifications

Number of Fibers	Box: 1; Card: 2 (1 per channel)
Operating Temperature	-35 to +75o C
Relative Humidity	10 to 90%, non-condensing
Operating Power (per unit)	9-12 V +10% DC @ 100 ma max.
Dimensions	3.25 L x 2.38 W x 1 H (inches) 83 L x 60 W x 25.4 (mm)
Weight	3.0 oz. (85.04 grams)
Optical Connectors	ST
Optical Wavelength	850 nm
Optical Fiber	62.5 micron multimode fiber

Operating Loss Budget & Maximum Usable Distance

Wavelength	Loss(dB)**	Distance (km)
850 MM	0-12	0-3

*Distance specifications are only approximate and are not guaranteed. Operating loss budget must not be exceeded.

Signals	Channels	Direction
3100/3101 Video	1	→
3108A/3109A Video	Dual	→



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All specifications subject to change without notice. ©2016



Schedule
Contract GS-03F-016CA

Ordering Information

Part Number	Description	Fiber Cores
3100	Transmitter Box	1
3101	Receiver Box	1
3105-pp	Beamer-V System: Includes 1 Transmitter Box, 1 Receiver Box and 2 Power Supplies	1
3108A	Dual Channel Transmitter Card	2
3109A	Dual Channel Receiver Card	2
119757	N. American Power Supply: 115 volts AC to 12 volts DC with connector	
119854	United Kingdom Power Supply: 230 volts AC to 9 volts DC with connector	

Power Supply Suffix Codes (pp):

NA - North America

EU - Europe

UK - United Kingdom

Sales



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