

## Beamer-V

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



### Ideal Applications:

Security, A/V Confidence Monitoring

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

### Features

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

### 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	
102202	European Power Supply: 230 volts AC to 9 volts DC with connector	
119854	United Kingdom Power Supply: 230 volts AC to 9 volts DC with connector	
121016	Japanese Power Supply: 100 volts AC to 9 volts DC with connector	

#### Power Supply Suffix Codes (pp):

NA - North America      AU - Australia      EU - Europe  
JP - Japan                  UK - United Kingdom

### Sales



**CSI** Communications  
Specialties, Inc.

631-273-0404 | [commspecial.com](http://commspecial.com)  
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### Beamer-V



### 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.

### Want to learn more about fiber?

Log on to [commspecial.com](http://commspecial.com) for fiber related resources written for Pro A/V Professionals by Pro A/V Professionals!



Backed by a 30-day satisfaction guarantee and a three-year limited warranty on parts and labor. See website for terms and conditions.

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### 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 +75° 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

### About CSI

Communications Specialties, Inc. (CSI) is an award-winning manufacturer of Pro A/V products for the distribution, conversion or transmission of television and computer video signals, including fiber optic transmission systems, scan converters and video scalars. The company was founded in 1983 by veterans of the broadcast industry. Since then, CSI has managed to consistently design innovative products that are used worldwide by Fortune 500 Companies in a variety of markets such as Broadcast/Professional A/V, Video Conferencing, Education, Home Theater, Security, ITS, Industrial Monitoring, and more!

The **Fiberlink**® line offers an extensive and affordable family of fiber optic transmission systems for the Professional A/V marketplace and includes several ground-breaking products for the transmission of high-resolution RGB signals. Systems for point-to-point and point-to-multipoint signal distribution make these products highly desirable for any Pro A/V architecture. New products are constantly being designed and developed and you can get the latest information at [commspecial.com](http://commspecial.com)

Also from CSI: Scan Do® Scan Converters and Deuce® Video Scalars

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