

Overview

The B706V and B7706V series fiber optic links provide two-way video transmission over one single mode or multimode fiber.

Digital Video Processing

Digital processing of the video signal along with a video SNR >60 dB assures clean, noise-free video reception.

Superior Diagnostics

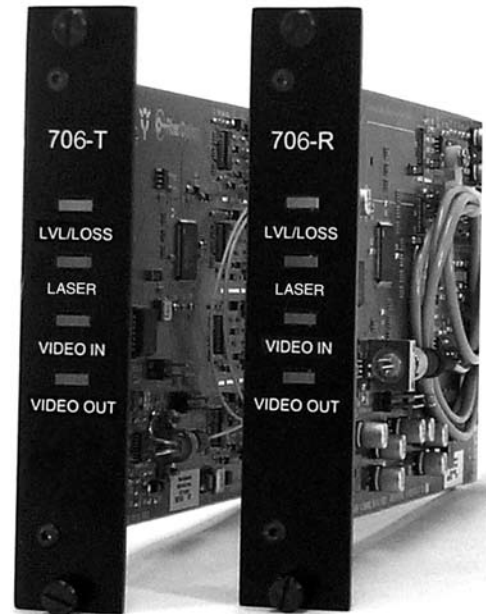
The SMARTS™ diagnostic technology provides an extensive set of built-in diagnostic tools including a video test pattern generator that allows failures to be diagnosed from the monitor. LEDs monitor the operating status of the video and optical signals.

Standard Features

- Two-way video transmission over one single mode or multimode fiber
- Supports one duplex video channel
- 9-bit video processing
- Video SNR >60 dB
- 13 dB multimode and 18 dB single mode optical budget
- >600 TV lines video resolution
- Built-in video test generator
- Diagnostic LEDs and on-screen monitor displays

Two-Way Video

B706V and B7706V



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Latin America
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Specifications

Video	B706V (Multimode)	B7706V (Single Mode)
Channels	1 duplex	
Format	All major formats	
Input/Output Signal	1.0 V pk-pk	
Bandwidth	7.5 MHz	
Signal-to-Noise Ratio	>60 dB	
Video Resolution	600 TV lines	
Input/Output Impedance	75 ohms	
Differential Phase	0.7°	
Differential Gain	<1%	
Optical		
Mode	Multimode	Single Mode
Optical Budget	13 dB	18 dB
Emitter	Laser	Laser
Wavelength	850 and 1300 nm	1310 and 1550 nm
Operating Distance	2.5 mi (4.0 km)	20 mi (32 km)
Gain Control	Optical Automatic Gain Control (OAGC)	
Electrical		
Input Power	13.5 VDC	
Current Requirement	220 mA	
Power Consumption	3W	
Power Factor	2	
Protection	Solid-state short circuit protection	
Environmental		
Operating Temperature	-40 to 167 °F (-40 to 75 °C)	
Maximum Humidity	95% relative, noncondensing	
Mechanical		
Dimensions (LWD)	Rack Units: 1 slot (1.0")	
Weight	Rack: 0.49 lbs (0.22 kg)	
Construction	Rack: Aluminum	

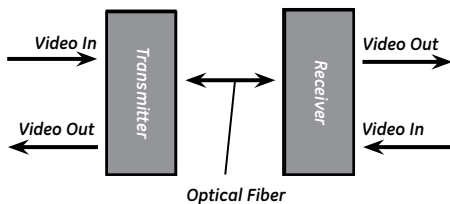
AGENCY COMPLIANCE



MADE IN THE USA

Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J

Related Diagram



Ordering Information

Use the Configurator below to select the options available for this product.

B706V **-RST**

Product Type
T Transmitter
R Receiver

B7706V **-R**

Product Type
T Transmitter
R Receiver

Connector Type
FC FC Type
ST ST Type

* Optical Budget based on 62.5 μm fiber, for 50/125 μm fiber subtract 3 dB.

** Operating distance is approximate and assumes best fiber. It will be affected by the type and number of splices in the fiber. Refer to update No. T800-005, which can be found at www.gesecurity.com

As a company of innovation, GE Security reserves the right to change product specifications without notice. For the latest product specifications, visit GESecurity online at www.GESecurity.com or contact your GE Security sales representative.
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