

Overview

The B701VE provides a high performance transmission link for composite or component wide band signals. Systems utilizing high line-rate (1025) imaging systems can benefit from the transparent transmission medium offered with the B701VE series. Graphic workstations and signals with embedded carriers for audio are also supported. This unit is the best choice for video-only fiber designs.

Rack or Standalone Models

The B701V is available as a standalone unit and as a rack card for use in the 515R1/517R1 rack mount card cages.

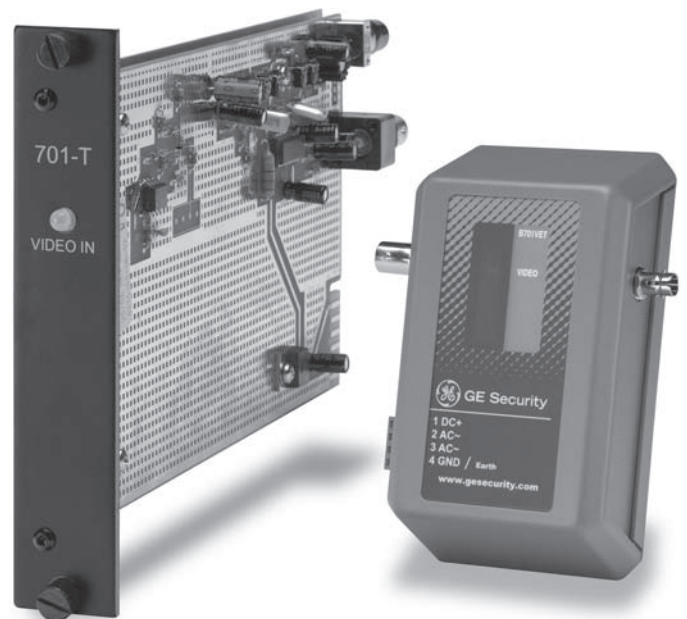
Superior Diagnostics

The SMARTS™ diagnostic technology provides built-in diagnostic tools including LEDs that monitor the operating status of the video and optical signals.

Standard Features

- One-way video transmission over one multimode fiber
- Supports NTSC and PAL video formats
- Video SNR >55 dB
- 10 to 35 MHz video bandwidth
- Optical AGC
- 13 dB optical budget
- Operating distance up to 3.2 miles (5.2 km)
- Standalone or rack configurations

1-Channel Wideband Video B701VE



GE Security

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Specifications

Video

Channels	1
Format	NTSC and PAL
Input/Output Signal	1.0V p-p composite
Signal-to-Noise Ratio	>55 dB
Input/Output Impedance	75 ohms
Differential Phase	3°
Differential Gain	3%

Optical

Mode	Multimode
Optical Budget*	13 dB
Emitter	LED
Wavelength	850 nm
Operating Distance**	3.2 mi (5.2 km)
Modulation Type	Intensity Modulation
Gain Control	Optical Automatic Gain Control (OAGC)

Electrical

Input Power	Standalone Units: 13.5 VDC reg. / 12-14 VAC
Input Power	Rack Units: 13.5 VDC regulated
Current Requirement	200 mA (receiver), 50 mA (transmitter)
Power Consumption	3 W (receiver), 0.75 W (transmitter)
Power Factor	2 (receiver); 1 (transmitter); (rack units only)
Protection	Solid-state short circuit protection
Optional Power Supply	Model 613P

Environmental

Operating Temperature	-40 to 167° F (-40 to 75° C)
Maximum Humidity	95% relative, noncondensing

Mechanical

Dimensions (LWD)	
Standalone Units	5.0" x 2.8" x 1.5" 127 x 71 x 38 mm
Rack Units	1 slot (1.0")
Weight	Standalone 0.28 lbs. (0.13 kg); Rack 0.49 lbs. (0.22 kg)
Construction	Plastic (standalone) Aluminum (rack)

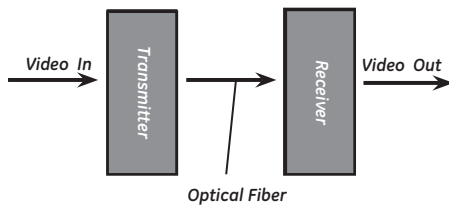
AGENCY COMPLIANCE



MADE IN THE USA

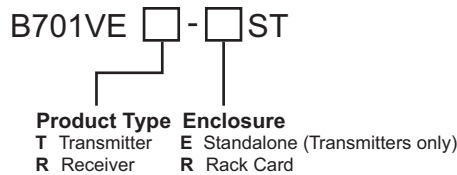
Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J

Related Diagram



Ordering Information

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



* 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. TB00-005, 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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imagination at work