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## **S700V-PKG**

*One-Way Video System Kit*

### **Overview**

The S700V-PKG video system kit is designed to transmit a single channel of baseband composite video up to 3.2 miles (5.2 km) over a single multimode fiber. The S700V-PKG is an excellent choice for a low cost, high performance fiber optic video transmission system.

### **Transmitter, Receiver and Power Supplies Included**

The kit includes one S700VT-MST miniature transmitter (with an 18-inch coax cable assembly), a S700V standalone receiver, and two 610P AC power supplies.

### **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**
- **Includes miniature transmitter, standalone receiver and two power supplies**
- **Supports NTSC and PAL video formats**
- **>640 TV lines resolution**
- **Video SVR >50 dB**
- **8 MHz video bandwidth**
- **Optical AGC**
- **13 dB optical budget**
- **Operating distance up to 3.2 miles (5.2 km)**
- **Works with all cameras**



# S700V-PKG

## One-Way Video System Kit

### Specifications

#### Video

- Channels: 1
- Format: NTSC and PAL
- Input/Output Signal: 1.0 V p-p composite
- Bandwidth: 8 MHz
- Signal-to-Noise Ratio: >50 dB
- Video Resolution: >640 TV lines
- Input/Output Impedance: 75 ohms
- Transmitter Video Connection: BNC on 18-inch (500 mm) cable

#### Optical

- Mode: Multimode
- Optical Budget: 13 dB
- Emitter: LED
- Wavelength: 850 nm
- Operating Distance: 3.2 mi (5.2 km)
- Gain Control: Optical Automatic Gain Control (OAGC)

#### Electrical

- Input Power, S700V-MST Transmitter: 12 - 14 VAC or 13.5 VDC regulated
- Input Power, S700V Standalone Receiver: 12 - 14 VAC or 13.5 VDC regulated
- Transmitter Current Requirement: 50 mA
- Receiver Current Requirement: 200 mA
- Transmitter Power Consumption: 0.75 W
- Receiver Power Consumption: 3 W
- Protection: Solid-state short circuit protection
- Power Supply: Model 610P (2 supplied)

#### Environmental

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

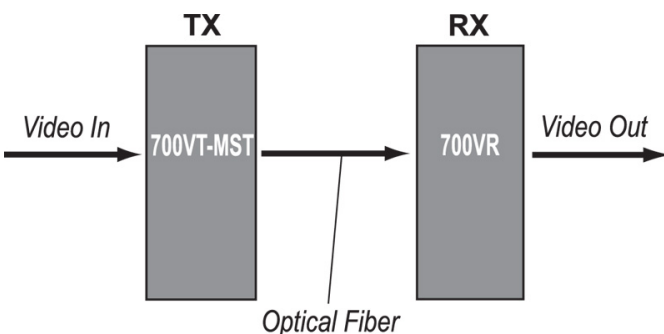
#### Standards

- Emissions: FCC Part 15, ICES-003, AS/NZS 3548, EN55022
- Immunity: ENV50204, EN61000-4-2, -3, -4, -5, -6, -11
- Safety: UL 1950, CAN/CSA 22.2, NO. 950-95

#### Mechanical

- Dimensions (LWD), Transmitter: 2.67" x 1.05" x 0.95"
- Dimensions (LWD), Standalone Receiver: 5.0" x 2.8" x 1.5"
- Weight: Transmitter 0.09 lbs (0.04 kg); Receiver 0.67 lbs (0.31 kg)
- Construction: Receiver - plastic; Transmitter - aluminum

### Related Diagram



### Ordering Information

Use the model number below when ordering this product.

## S700V-PKG



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