



*Fiber Media Converters: Video Multiplexer Base Model*

**EW-1000**

**1 Video only**

## **APPLICATIONS**

- Security and Surveillance
- Intelligent Transportation System (ITS)
- Campus Lecture Networks
- CCTV Network
- Industrial Monitoring
- Smart Building
- Video Conferencing
- Distance Learning System

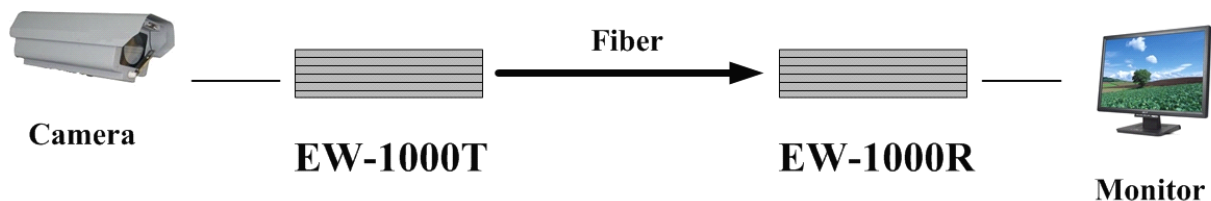
## **FEATURES**

- Standard 8 Bit Video Digital Encoding
- Transmits 1 Real-Time uncompress Video Signals Over One Optical Fiber
- 8 MHz Video Bandwidth
- Meets RS-250C Transmission Specifications
- NTSC, PAL, SECAM Compatible
- Wide Optical Dynamic Range: Eliminates
- Laser Based Systems for Multimode and Single mode
- Surface Mount Technology (SMT) for High Reliability and Repeatability
- Local LED Status Indicators to Monitor Critical System Diagnostics
- SC, ST, FC Optical Connector
- Hot Swappable Cards for provide
- Standard 75-Ohm BNC Video Connector (Gold Center Pin)
- Lightning Protect design for Video Connector

## **DESCRIPTIONS**

The EW-1000 series is a reliable, cost effective, extra-small size design, video process module and main process module is complete independence, one fiber one wavelength Digital Video transmission system. The EW-1000 accepts PAL, SECAM, or NTSC formats.

## **TYPICAL APPLYCATION**



## SPECIFICATIONS

### *Video*

|                    |                   |
|--------------------|-------------------|
| Format             | NTSC、PAL、SECAM    |
| Impedance          | 75Ω               |
| Voltage            | 1.0V~1.5V         |
| Bandwidth          | 8MHz -3dB         |
| Differential Gain  | <1% (typical)     |
| Differential Phase | <1° (typical)     |
| SNR                | ≥70 dB (weighted) |
| Coding             | 8 Bits            |
| Sampling Rate      | 15M / bits        |
| Connector          | BNC               |

### *Optical*

| Wavelength           | 850/1300nm MultiMode | 1310/1550nm SingleMode |
|----------------------|----------------------|------------------------|
| Fiber Type           | 50/125μ              | 62.5/125μ              |
| Optical Output       | -18dBm               | -15dBm                 |
| Receiver Sensitivity | -26dBm               | -26dBm                 |
| Optical Budget       | 8dB                  | 11dB                   |
| Optical Connector    | ST、FC、SC             | 1310/1550nm SingleMode |

- SingleMode---Base Model: 0~20KM
- SingleMode---Extra Model: 100KM

### *Physical And Environmental*

|                       |                         |
|-----------------------|-------------------------|
| Power                 | ±5VDC, 1A               |
| Maximum Power         | 6W                      |
| MTBF                  | > 10,000 Hours          |
| Operating Temperature | -40℃ ~+70℃              |
| Storage Temperature   | -40℃ ~+80℃              |
| Relative Humidity     | 0-95%                   |
| Weight                | 300g                    |
| Size                  | 105mm L、 70mm W、 20mm H |

## *Indicators-- LEDS*

|      |                                    |
|------|------------------------------------|
| PW   | Power Light (Red: On)              |
| Link | Video& Opt Present (Red: link now) |

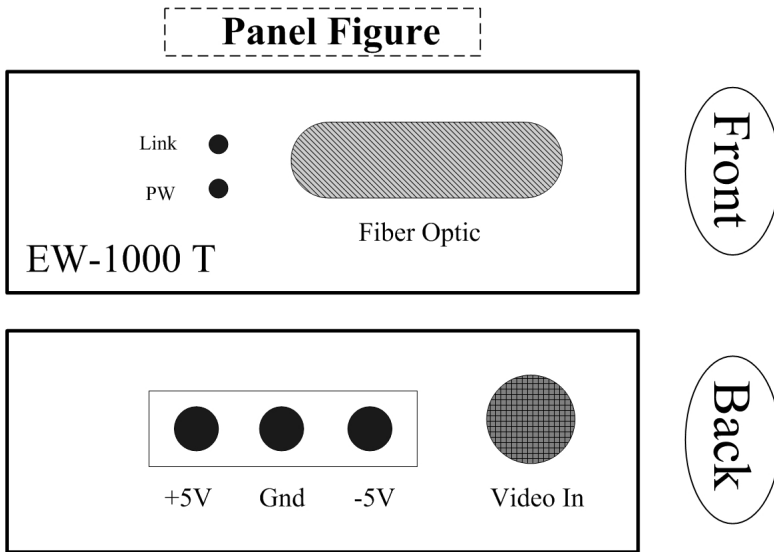


Figure 1

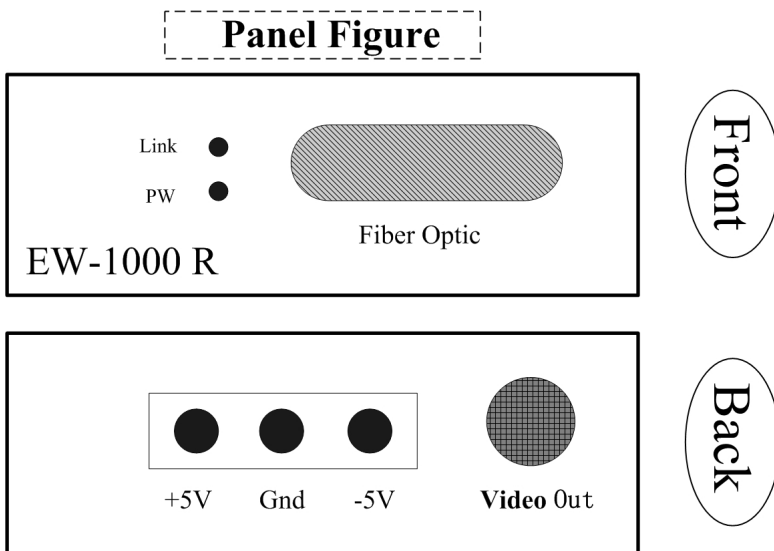


Figure 2