



**SEPITAM**

ONE STEP SMARTER

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[www.sepitam.com](http://www.sepitam.com)

SEPITAM  
1bV-FSK-T/R



TYPE:

**Sepitam-1bV-FSK-T/R**

Sepitam fiber optic and Ethernet converters are engineered to support the seamless transmission of various services, including FXO/FXS, E1, audio, analog video, HDMI, USB, and serial data. Whether deployed over fiber optic or Ethernet networks, our solutions ensure reliable, high-quality communication for a wide range of applications.



- ▶ TYPE: Sepitam-1bV-FSK-T/R
- ▶ Technical Specification of Sepitam-1bV-FSK-T/R
- ▶ 1\*Channel Bidirectional Video on Fiber optic converter

## ▶ Description:

The 1Channel bidirectional Video products adopt the most advanced international technology of digital video and optical fiber transmission, performing synchronous, undistorted, uncompressed and high quality signal transmission over all kinds of optical fiber.

This Fiber Optical Transmitter & Receiver can be easily used in the normal operation by virtue of LED indication of working status, and without any electric or optical regulation on site. It can be installed independently or installed in 2U/4U rack.

## ▶ Properties:

- Card-type or Stand-alone type for your choice; suitable for concentration management in 2U/4U Racks.
- 10 -digit coding and non-compression video transmission.
- supporting any high resolution video signal.
- Video Band-Width: 10MHz.
- automatically compatible with PAL, NTSC and SECAM video format.
- With APC circuit, constant output optical power and wide dynamic range.
- Large capacity of gigabit optical fiber transmission, easy for upgrading. Supporting video intact regenerative relay.
- LED indication of power and other parameter status, monitoring real-time operation.
- Modularized and industrialized design ensuring reliability and flexibility.
- Advanced auto- adaptive technology avoiding on-site electric or optical regulation.
- Capable of auto resumption of power fuse.



## ► Specifications:

| Model                        | Sepitam-1bV-FSK-T/R                     |
|------------------------------|---|
| <b>Fiber</b>                 |   |
| Connector                    | FC/ST                                   |
| Fiber Type                   | Single-mode (9/125um)                   |
| Wavelength                   | 1310 nm                                 |
| TX power                     | -9 ~ -6 dBm                             |
| Transmission Distance        | 0~20 Km                                 |
| Lose                         | 0.5 dBm/Km                              |
| <b>Video</b>                 |   |
| Video Interface              | BNC                                     |
| Video input/output impedance | 75ohm (unbalanced)                      |
| Video input/output Voltage   | 1VP - P (peak value). Max 1.2Vpp        |
| Video Bandwidth              | 10MHz                                   |
| Video sampling               | 15MHz high speed sampling               |
| Video digit bit width        | 10/12 bit                               |
| Differential gain            | ( 10%-90%APL) DG < 1% (Typical value)   |
| Differential phase           | ( 10%-90%APL) DP < 0.8° (Typical value) |



## ► Specifications:

| Model                    | Sepitam-1bV-FSK-T/R                       |
|--------------------------|---|
| Video SNR                | S/N 70dB (Maximum optical link path loss) |
| <b>General Parameter</b> |   |
| Operating Temperature    | -10°C~+50°C                               |
| Storage Temperature      | -40°C~+80°C                               |
| Relative humidity        | 0~95% (Non-condensing)                    |
| Power Voltage            | AC85-260v / 50Hz                          |
| MTBF                     | ≥100000 hours                             |
| Power supplier           | 2.5 w (Input:DC5V, 1A)                    |

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