



TYPE: Sepitam-lbV-T/R-FSK

1 Channel bidirectional Video Optical transmitter and receiver



Product Introduction:

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.

Fundamental Features :

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.



Fiber Features: (the fiber optic connectors usually is FC, can order ST):

Type	wavelength (nm)	TX power dBm	Transmission Distance Km	Lose dBm/Km	Fiber Type
Single-mode	1310	-9—6	0~20	0.5	Single-mode(9/125um)

Video Feature:

Video Interface: BNC

Video input/output impedance: 75Q (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)

Video SNR: S/N ≥ 70dB (Maximum optical link path loss)

General Parameter:

Operating Temperature: -40 °C~+85 °C

Storage Temperature: -45 °C~+95 °C

Relative humidity: 0~95% (Non-condensing)

Power Voltage: AC85-260v/50Hz

MTBF: ≥100000 hours

Power supplier: 2.5 w (Input:DC5V 1000mA)



Order Information: (Packed in standalone and card type , Card-type is suitable for the 2U Rack)

Type Number	Specification (Interface:FC)	Max Transmission Distance (KM)
Sepitam-lbV-T/R-FSK	1 Channel Bidirectional Video	20KM (Single-mode)

Note: The interface can be ST or FC, according to the different requirements from customers. The fiber optic transmission distance can be ordered. (40km, 60km, 100km)

Notes: : (V: video)

S40: 40KM; -S60: 60KM; S100: 100KM

-S: Single-mode;



Technical Specification of Sepitam-lbV-T/R-FSK

شرکت سپیتام



www.Sepitam.com