



SEPITAM

ONE STEP SMARTER

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SEPITAM
8V1bD-T/R



TYPE:

Sepitam-8V1bD-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-8V1bD-T/R
- ▶ Technical Specification of Sepitam-8V1bD-T/R
- ▶ 8*Video & 1*Serial data on Fiber optic converter

▶ Description:

Sepitam-8V1bD-T/R optical video transmitter and receiver transmits 8ch video and 1ch four-wire RS485 data signals on optical fiber. In 9/125um single-mode fiber, its working distance is 20km to 80km, while in multi-mode fiber it's 1km.

▶ Properties:

- Robust metal casing
- Lightning protection solution
- Low optical link loss - up to 30 dB
- No EMI, RFI and ground loop
- Bi-di transmission on 1 fiber with WDM
- Hot plug and play with switch power supply
- Available in standalone and 3U rack systems

▶ Applications:

- Highway protection and toll station system
- City traffic monitoring system
- Building and campus monitoring system
- Industrial monitoring (airport, chemical plant, railway, etc.)
- Military monitoring (frontier defense, national defense)



- Electronic power oil field, TV station program broadcasting
- Gymnasium (live video and audio transmission)

► Specifications:

Model	Sepitam-8V1bD-T/R
Fiber Optical	
Wavelength	1310nm/1550nm
Output Power	-8~3dBm
Optic fiber	Single mode (9/125um) 20Km, multimode (50/125um) 1Km, (62.5/125um) 500m
Receiving sensitivity	-30dBm
Interface	FC standard, (ST/SC optional)
Video	
Channel Quantity	8ch, from camera to control center
Compatible Systems	NTSC/PAL/SECAM
Impedance/Voltage	BNC 75Ω (unbalanced) / 2.0Vp-p
Differential Gain	< ±1%
Differential Phase	< ±1
S/N ratio	>60dB(weighting)(8 bit)



Model	Sepitam-8V1bD-T/R
Interface	BNC
Data	
Channel Quantity	1ch, from control center to camera
Data protocol	RS485 (4 wire)
Bandwidth	0~300 kbps
Error rate	10^{-9}
Interface	Phoenix terminal
Electrical. Environmental. Mechanical	
Operating voltage	DC 5V, 1A
Operating temperature	0°C~+55°C
Storage temperature	-20°C~+70°C
Humidity	0~95%non-condensing
Dimensions (WxHxD)	179mm ×128.5mm ×28.5mm
Weight	0.66kg/piece (Net Weight), 1.00 kg/piece (Gross Weight)

Technical Specification of Sepitam-8V1bD-T/R



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