



The product adopts international advanced technology of digital video and optical fiber transmission to perform synchronous, undistorted and high quality signal transmission of video single chip optical fiber.

This optical transmitter and receiver can monitor the normal operation of the system by virtue of indication of video status. It can be installed independently or installed on rack.

Product Features:

- ◆ Card insertion type or independent structure suitable for concentration management of 4 U racks
- ◆ 10 –digit coding and non-compression video transmission
- ◆ Support any high –resolution video signal
- ◆ SHz-10MHz video channel
- ◆ Automatically compatible with PAL, NTSC and SECAM video mode
- ◆ With APC circuit, constant output optical power and wide dynamic range
- ◆ Proven Gigabit optical fiber transmission allowing of easy upgrade
- ◆ LED with indication of power and other parameter status, allowing of monitoring system operation
- ◆ Supporting video intact regenerative relay
- ◆ Advanced adaptive technology avoiding on-site electric or optical regulation
- ◆ Modularized and industrialized design ensuring reliability and flexibility
- ◆ Capable of auto resumption of power fuse
- ◆ Interior power consumption: 4.5 w (Input:AC140 ~ 260V)



Specifications

Video	
Channel	1
Connector	BNC
Input/output impedance	75 Ω (unbalanced)
Input/output amplitude	1VP - P (peak value)
Bandwidth	8MHz
Differential gain	(10%-90%APL) DG <0.5% (typical value)
Differential phase	(10%-90%APL) DP <0.4°(typical value)

Video SNR	S/N ≥ 70dB (Max. optical link path loss)
Data	
Channel	2
Interface terminal	Terminal block
Data type	RS232, 422, 485

Optical Property

Parameter	Optical Interface	Wavelength	Transmission power	Receiver Sensitivity	Saturation power	Transmission distance	Optical Loss (dBm / km)
Singlemode	FC	1310nm	-6~-10dBm	-26dBm	-3dBm	0~30	0.5

Environmental

Operating temperature	-30°C~+75°C
Storage temperature	-40°C~+85°C
Relative humidity	0-95% Non-Condensing
Power voltage	<u>Rack mount chassis</u> : AC220V/50Hz, 1.2A max redundant (HOTSWAPABLE) power supply (x2), <u>Standalone Module</u> : DC5V nominal input voltage, 0.8A max.
MTBF	≥ 100000 hours

Ordering information

P/N	Description
L1VS20-2DUD- X - Y	1 Video + 2 Data (Up/Down), Singlemode 30km Fiber Converter
LV19C	19" Rack Mount Frame (4U height) with Power supply, capacity of 21 Video Cards

- X** T – Transmitter
 R – Receiver
Y S – Standalone Unit
 M – Rack mount card