Soarland & Hexin

HX-DV101 Mini 1-Channel Video + 1-Channel Reverse Data Optical Transmitter & Receiver

Feature

- Card insertion type or independent structure suitable for concentration management of 2 U racks
- 10 –digit coding and non-compression video transmission
- Supporting 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
- Large capacity of 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
- Featuring built –in power supply and unique designed housing
- Interior power consumption: 2.5 w(Input:AC140~260V)

Optical Specification

Type Para-meter	type of optical fiber interface	Trans-mission wave-length (nm)	Trans-mission power dBm	Receiving Sensi-tivity dBm	Optical Saturation dB	Trans-mission distance	Optical Loss dBm/Km
Multi mode	FC	850	-18.5~-14	-35	-8	0~2	1
	FC	1310	-19.5~-16	-36	-9	0~3	1
	FC	1310	-15~-10	-34	-8	0~20	0.5
Single mode	FC	1310	-12~-5	-36	-3	0~40	0.5
	FC	1550	-5~0	-38	+2	0~60	0.25

Video Specification

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 (maximum optical link path loss)

Data

Channel	1 reverse
Interface terminal	RJ-45
Interface signal	RS-232、RS-422(full duplex)、RS-485 (2/4 wiring system)
Bit rate	0～256Kbps
Error bit rate	$\leq 10^{-9}$

Environment

Operating temperature	-30ºC～+75ºC
Storage temperature	-40ºC～+85ºC
Relative humidity	0-95% Non-Condensing
Power voltage	AC220V/50Hz
MTBF	$\geqq 10^5$ hours