



HX-DV100DW 1-Channel Video Optical Transmitter & Receiver

Feature

- Card insertion type or independent structure suitable for concentration management of 2 U racks
- 10-bit digit coding and non-compression video transmission
- Supporting any high-resolution video signal
- 50MHz-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 Parameter	type of optical fiber interface	Transmission wavelength (nm)	Transmission power dBm	Receiving Sensitivity dBm	Optical Saturation dB	Transmission distance	Optical Loss dB/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 (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)

Environment

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