1 Channel Video

Features and benefits

- Uncompressed 8 bit video encoding, High-speed synchronous digital transmission technology
- Fiber optic transmission of one video signals on one fiber with RS485 data signals which may be one way with the video or optionally duplex.
- Super optical dynamic range, no adjustment needed
- Status indication for power supply, optical signal and video
- No electromagnetic interference, radio frequency interference and ground current
- Safe transmission guaranteed under poor electromagnetic environment
- Maximum tolerable link loss for single mode single fiber is 18db
- Range of up to 100km is possible with optional 1550nm operation
- Optional duplex operation over one fiber
- Video bandwidth of 6.5 MHz, SNR>63dB
- Radiation: EN50081-1, EN55022-B, CE, FCC
- Magnetic capacity: EN50130-4, EN50028-1

Electrical

Video:

Input/Output Impedance	: 75Ω composite
Input/Output Level	: 1Vp-p nominal
Video connectors	: BNC
Bandwidth(±0.5dB)	: 5Hz to 6.5MHz
Signal to Noise Ratio	: >63dB
Linearity	: <1.3%DG<1.3°DP

Data:

Optional Data Interface	: RS485
Standard data connector	: Terminal block
Optional Data Rate	: DC-150Kbps
Data Bit Error Rate	: <1×10-9

Optical

Transmitter wavelength	: 1310nm or 1550nm
Transmitter couple power	: Several options are available from 2dB to -3dB
Receiver sensitivity	: <-36dB
Optical Connectors	: ST, FC and SC are optional
Link budget	: From 33dB to 38dB at 1310nm or 1550nm
Fiber type	: Single-mode fiber /single fiber
	Transmission distance: single mode 100Km

Note: Many combinations of laser types and levels and receiver types and sensitivities are possible. Contact for details.

Physical characteristic

Input voltage	: AC220/DC+5V
Operating temperature	: -25°C ~ +75°C
Relative Humidity	: 0~ 95% (non-condensing)
Induction	: EN50130-5, 1995
Tidal fever	: BS2011
Dimension	: 71mm (W)×94mm(D)×26mm(H)firmware for installation no included
	Chassis Current Consumption 0.35Amp for 1 channel video and 1 channel data