

8 Channel Video



Features and benefits

- uncompressed 8 bit video and 24bit audio encoding, High-speed synchronous digital transmission technology
- Fiber optic transmission of eight video signals on one fiber.
- 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

Audio:

Input/Output Impedance	: 48KΩ/10KΩ
Input/Output Level	: 2Vp-p nominal
Audio connectors	: Terminal block
Bandwidth(±0.5dB)	: 20Hz-20KHz
Signal to Noise Ratio	: >75dB
Linearity	: <0.1% Total harmonic distortion

Data:

Optional Data Interface	: RS232, RS485 and RS422
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 4dB to -4dB
Receiver sensitivity	: <-26dB
Optical Connectors	: ST,FC and SC are optional
Link budget	: From 22dB to 30dB 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 It is also possible to configure the unit as 8 audio,0 data or 0 audio,8 data.

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	: 2 layer 110mm(W)×174mm(D)×47mm(H) 4 layer 135mm(W)×182mm(D)×84mm(H) 6 layer 135mm(W)×182mm(D)×125mm(H)

firmware for installation no included
Chassis Current Consumption 0.95Amp for 8 channel video and 1 channel data