



S.G. INTERNATIONAL GROUP H.K. LIMITED

SHENZHEN SHUGUANG ELECTRONICS CO., LTD

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➤ Video Transmission Series



Superlarge-Capacity Video Transmission Series

- ◆ Supports point-to-point connection
- ◆ Unpressed and undistorted digital broadcasting transmission
- ◆ Free from intermodulation interference from optical transceiver for simulated frequency, phase, and amplitude modulations
- ◆ Supports any high-resolution video signals
- ◆ Supports video nondestructive regenerated relay
- ◆ Auto compatible with PAL, NTSC, and SECAM video systems
- ◆ Supports video, data, Ethernet, telephone parallel transmission
- ◆ Super-high speed optical transmission technique, large in capacity and easy for upgrade
- ◆ WDM/CWDM/DWDM optical techniques
- ◆ Optical transmission in monomode fiber, at a distance of 0-80KM
- ◆ Special ASIC design and high-speed SDP technology
- ◆ Advanced auto-negotiation technology, no need to adjust for application
- ◆ Full SMT technology
- ◆ Industry standard design, with high reliability
- ◆ 19" 4U ~ 8U rack type
- ◆ Supports user customization and OEM service

Technical Specification

- ◆ Video Interface (32 ~ 1024 Channels)
 - Video I/O Impedance BNC 75Ω non-balanced interface
 - Video I/O Voltage Typical Peak – Peak Value 1 Vpp, Max. 1.5 Vpp
 - Video Bandwidth 8MHZ
 - Video Digital Bit Width 12 bit
 - Differential Gain <1%
 - Differential Phase <1°
 - Field Tilt <0.5%
 - SNR 67dB
- ◆ Audio Interface (Supports Multi-Channel Optional and Duplexing Audio)
 - Physical Interface Industry standard connector terminal or Cannon
 - Audio I/O Impedance 600Ω or other various impedances
 - Audio I/O Electrical Level Typical 0dBm
 - Frequency Response 10HZ-20KHZ
 - Audio Digital Bit Width 24 bit
 - SNR 85dB



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➤ Video Transmission Series

◆ Data Interface (Supports Multi-Channel Asynchronous RS-232/485/422 Data Transmission)

Physical Interface DB9、DB25/F, industry standard connector terminal or RJ connector jack

RS-232 Rate DC-115.2Kbps

RS-422/485 Rate DC-1.2Mbps

RS-422/485 Distance 0-1200M

RS-422/495 Protocol Transparently supports random RS-485/422 protocol

I/O Switching Value, Warning Data and Supports controlled relay output

◆ Ethernet Interface

Physical Interface Shielded Super-Type 5 RJ-45 Connector Jack

Protocols Supported IEEE 802.3 10M, 100M, and 10/100M auto-negotiation Ethernet

Operating Mode Full/Half Duplexing

◆ Telephone Interface (Multiple Channels)

Physical Interface RJ-11 Connector Jack

Voice Bandwidth 8KHZ

Operating Mode Point-to-point hotline, program controlled switch/extension mode

◆ Optical Interface

Physical Interface FC/PC, ST/PC, and SC/PC

Type of Fiber Monomode/Multimode Fiber,

Single /Double Fiber

Transmission Distance Multimode: 0-3km; Monomode: 0-25km, 0-60km, and 0-100km

◆ Environment

Operating Temperature -45°C~85°C

Humidity 0~95% non-condensing

Input Voltage AC/DC 220V, DC-48V, +24V, +12V, and +5V optional

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