



S.G. INTERNATIONAL GROUP H.K. LIMITED

SHENZHEN SHUGUANG ELECTRONICS CO., LTD

Add: Gold industrial park, NanLing village, Buji Town, Shenzhen, China

Tel: (86)0755-25387626

84701880

84701680

Fax : (86)0755-84701680

[Http://www.sgcg-group.com](http://www.sgcg-group.com)

E-mail: sgled@vip.163.com

MSN: sgled@hotmail.com

Yahoo Messenger: sgled_usa@yahoo.com

➤ Video Transmission Series



Bus Cascade 32-Channel Video Transmission Series

- ◆ Supports bus type, cascade, distributed, and other connections
- ◆ Advanced auto removal and recovery function for failure nodes
- ◆ Unpressed and undistorted digital broadcasting transmission
- ◆ Free from intermodulation interference from optical transceivers 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, audio, data, Ethernet, and telephone voice parallel transmission
- ◆ KM optical transmission technology, large in capacity and easy for upgrade
- ◆ WDM/CWDM/DWDM optical techniques
- ◆ Transmission in monomode and multimode fiber, at a distance of 0 - 100KM
- ◆ Special ASIC design and high-speed DSP technology
- ◆ Advanced auto-negotiation technology, no need to adjust for application
- ◆ Full SMT technology
- ◆ Industry standard design, with high reliability
- ◆ 4U rack type
- ◆ Supports user customization and OEM service

Technical Specification

- ◆ Video Interface (32-Channel Forward or Reverse)

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 (1~32-Channel Simplexing/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 1-32-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
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- ◆ Environment
 - Operating Temperature -45℃~85℃
 - Humidity 0~95% non-condensing
 - Input Voltage AC/DC 220V, DC-48V, +24V, +12V, and +5V optional

- ◆ SGC000S(M)T/R 32-Channel Video
- ◆ SGC1XXS(M)T/R 32-Channle Video + Data
- ◆ SGC2XXS(M)T/R 32-Channel Video + Audio + Data
- ◆ SGC3XXS(M)T/R 32-Channel Video + Telephone + Data
- ◆ SGC4XXS(M)T/R 32-Chanel Video + Ethernet + Data
- ◆ SGC5XXS(M)T/R 32-Channel Video + Telephone + Ethernet + Data
- ◆ SGCXXXXJS(M)T/R 32-Channel Video + Audio + Data + Telephone + Ethernet (Model for User Customization)