

GA Series Digital Audio Optical Equipment

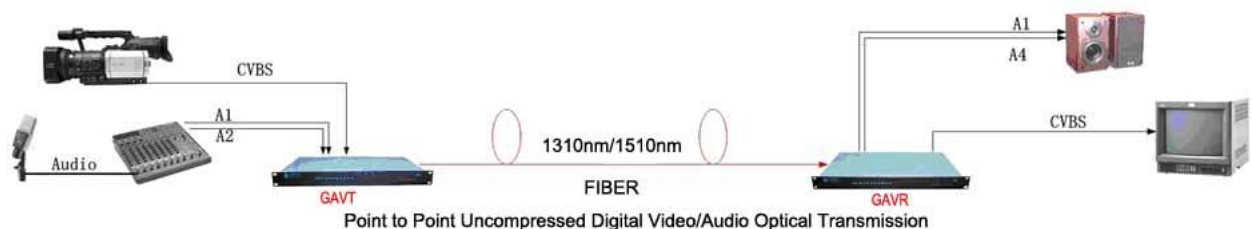


The GA series digital audio optical equipment is made up of Greatway GAT optical transmitter and GAR optical receiver. The input to the GAT optical transmitter can be 2 audios, 4 audios, 8 audios, 12 audios or 16 audios. The analog audio is converted into data in 20bit A/D. The uncompressed audio data is transmitted to the GAR receiver, which outputs the high quality analog audio.

Features:

- I 20bit audio conversion
- I Audio output can be balanced/unbalanced auto switching with ESD protection
- I Maximum fiber distance up to 120Km
- I System topology can be point to point or point to multi-point

Applications:



Specifications

Audio Input	
Audio Channel	2 or 4 or 8 or 12 or 16
Max. Audio Level	17.4 V _{P.P} (+18dBm)
Audio Bandwidth	20Hz~20 KHz
Audio Impedance	600Ω
Connector	XLR
Optical Parameter	
Wavelength	1310 nm/1550 nm or CWDM wavelength
TX power	-12dBm~3 dBm
RX sensitivity	-32dBm~-3 dBm
Transmission Distance	20Km, 40Km, 60Km, 80Km, 100Km+
Connector	FC/UPC or SC/UPC
Audio Output	
Audio Channel	2 or 4 or 8 or 12 or 16
Maximum Level	17.4 V _{P.P} (+18dBm)
SNR	> 86 dB (unweighted)
Harmonic Distortion	< 0.2 %
Bandwidth	20Hz~20 KHz @-0.5 dB
Audio Channel Isolation	> 90 dB @ 1KHz > 90 dB @20KHz
Impedance	40Ω
Connector	XLR
Operation Temperature	0~45°C
Power Supply	AC 95~265V, 50/60Hz
Power Consumption	<20W
Dimension	430×230×43 (mm)

Ordering Information:

GA-A-B-C-D (e.g. GA-4-20)

A: Analog audio channel number 2 or 4 or 8 or 12 or 16

B: Fiber distance 20-20Km, 40-40Km, 60-60Km, 80-80Km, 100-100+Km

C: FC-FC/UPC, SC-SC/UPC

D: Optional CWDM wavelengths