

SDI/ASI High Definition Digital Video Fiber Equipment



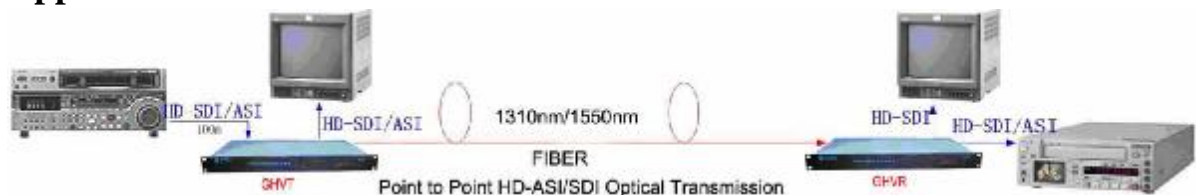
The GHV series SDI/ASI high definition digital video optical equipment is made up of Greatway GHVT transmitter and GHVR receiver, transmitting 1483.5Mbps, 1485Mbps HD-SDI high definition digital video signal. The equipment is also compatible with 143Mb/s, 177Mb/s, 270Mb/s, 360Mb/s or 540Mb/s data rate SD-SDI digital video signal or ASI digital video signal. GHVT is designed with multi data rate cable equalizer on the signal input, while GHVR has built-in distribution amplifier for 2 SDI outputs (one output for ASI signal).

The built-in jitter recovery circuit enables GHV series product input/output cable distance up to 100 meter at 1485Mbps. The maximum fiber distance can be 100Km.

Features:

- I Meet SMPTE259M, SMPTE297M, SMPTE310, SMPTE305 (SDTI), SMPTE344 standards
- I Meet DVB-ASI (EN50083-9) interface standards
- I Auto Negotiating SDI 143/177/270/360/540/1483.5/1485Mbps
- I Built-in Cable Equalizer on the SDI signal input
- I Built-in signal jitter recovery circuit
- I Maximum fiber distance up to 100Km

Applications



Specifications:

HDTV Input	
Channel Number	1
Input Level	>380mV _{P-P}
Cable Equalizer	>250m (270Mbps) (BELDEN8281 Cable) >100m(1485Mbps) (BELDEN8281 Cable)
Input Return Loss	>15dB (1485MHz)
Impedance	75Ω
Connector	BNC
HD Video Output	
Output Port	2
Output Level	800mV _{P-P} ±10%
Rise/Down Time	<0.8nS
Max. Jitter	<0.2UI (1485Mbps)
Impedance	75Ω
Connector	BNC
Optical Link Performance	
Optical Wavelength	1310nm or 1550nm or CWDM Wavelength
Optical Laser Power	-12dBm~3 dBm
Optical Receiving Power	-32dBm~-3 dBm
Fiber Distance	0~50 Km or requested
Optic Connector	SC/PC
Operation Temperature	0~45°C
Power Supply	AC 95~265V, 50/60Hz
Power Consumption	<20W
Dimension	430×230×43 (mm)

Ordering Information:
GHV-A-B

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

B: Optional CWDM wavelengths