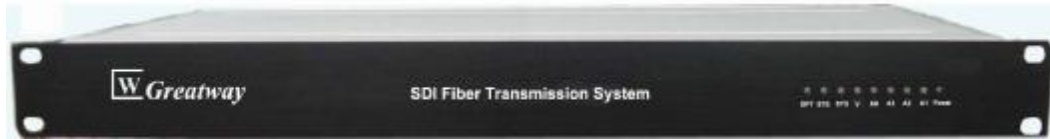


## GSV SDI/ASI Digital Video Fiber Equipment



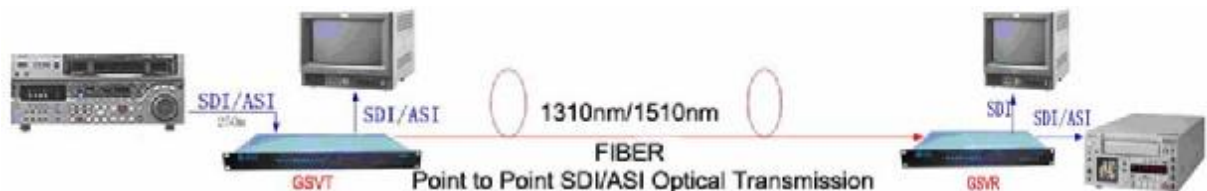
The GSV series SDI/ASI standard digital video optical equipment is made up of Greatway GSVT transmitter and GSVR receiver, transmitting 143Mb/s, 177Mb/s, 270Mb/s, 360Mb/s or 540Mb/s data rate SD-SDI digital video signal or ASI digital video signal. GSVT is designed with multi data rate cable equalizer on the electronic signal input, while GSVR has built-in distribution amplifier for 2 SDI outputs (one output for ASI signal).

The built-in jitter recovery circuit enables GSV series product input/output cable distance up to 250m. GSV series product has multi version for 1/2/3/4 SDI/ASI digital videos over one fiber. The maximum fiber distance can be 120Km.

### Features:

- I Meet SMPTE259M, SMPTE297M, SMPTE310, SMPTE305 (SDTI) standards
- I Meet DVB-ASI (EN50083-9) interface standards
- I Auto Negotiating SDI 143/177/270/360/540 Mbps
- I Built-in Cable Equalizer on the signal input
- I Built-in signal jitter recovery circuit enables input/output cable distance up to 250m
- I Maximum fiber distance up to 120Km

### Applications



## Specifications:

<b>SDI/ASI Video Input</b>	
Input Channel	1, 2, 3 or 4
Input Level	> 380 mV <sub>P-P</sub>
Cable Equalizer	> 250m (270Mbps) (BELDEN8281 Cable)
Input Return Loss	> 16dB (270MHz)
Input Impedance	75Ω
Connector	BNC
<b>SDI/ASI Video Output</b>	
Output Channel	1, 2, 3 or 4
Output Level	800mV <sub>P-P</sub> ±10%
Rise/Down Time	< 0.8nS
Maximum Jitter	< 0.2UI (270Mbps)
Output Impedance	75Ω
Connector	BNC
<b>Optical Parameter</b>	
Wavelength	1310 nm/1550 nm or CWDM wavelength
Optical TX Power	-12dBm~3 dBm
Optical RX Sensitivity	-32dBm~-3 dBm
Transmission Fiber Distance	20Km, 40Km, 60Km, 80Km, 100Km+
Optical Connector	SC/PC
<b>Operation Temperature</b>	0~45°C
<b>Power Supply</b>	AC 95~265V, 50/60Hz
<b>Power Consumption</b>	<20W
<b>Dimension</b>	430×230×43 (mm)

## Ordering Information:

### GSV-A-BC-D

**A:** SDI/ASI video channel number 1 or 2 or 3 or 4

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

**D:** Optional CWDM wavelengths