

## GW8000 HD-SDI Routing Switcher

GW8000 series matrix routing switchers are designed for HD-SDI and SD-SDI signals. The front panel or remote controller pushbutton represents each of input signals or each of output signals. The built-in cable equalization and re-clocking functions can compensate the loss of coaxial cable at 1.5Gbps.



### Features:

- | 19" 1U or 3U or 6U standard chassis
- | Main and standby power supply for 3U and 6U chassis
- | Routing Switcher 4×1~128×128
- | Digital Video: HD-SDI, SD-SDI, meeting SMPTE-259M, SMPTE-292M
- | BNC connector for digital video
- | Auto Input Cable Equalization
- | Clock Recovery for output HD-SDI longer transmission distance
- | Remote Control via RS232 (TCP/IP remote control via Ethernet RJ-45 optional)
- | Memory on when power shut off

### Specifications

Input Standards: 143Mbps~1.5Gbps  
Equalization: up to 100m (1.5Gbps) @Belden 1694A  
Re-clocking: optional on outputs  
Impedance: 75 ohms  
Return-loss: >18dB (5MHz~1.5GHz)  
Signal-level: 800mv±5%  
DC offset: 0V±0.5V  
Overshoot: <10%  
Jitter: <0.2UI per SMPTE (with Re-clock)  
Connector: BNC  
Power Supply: 100-240V, 50/60Hz AC

### Ordering Information:

#### GW8X00-ABC HD-SDI Matrix Routing Switcher

- X: 2\_19" 1RU chassis, 3\_19" 3RU chassis, 6\_19" 6RU chassis  
A: Number of Input Digital Videos 4 or 8 or 16 or 32 or 64 or 128  
B: Number of Output Digital Videos 01 or 02 or 04 or 08 or 12 or 16 or 32 or 64 or 128  
C: E\_Digital Video with Equalization R\_Digital Video with Equalization and Re-Clock