

TMX-0808SDI2

8x8 High Definition Digital Video Tracking Matrix Switcher



Features

- **Routing: 8x8 High Definition Digital Video Tracking Matrix Switcher**
- **Video interface: BNC female**
- **Data rates : 143 Mbps~2.97 Gbps**
- **Compatible with SMPTE 259 M, SMPTE 292 M, SMPTE 344 M, SMPTE 424 M and DVB-ASI (270 Mbps)**
- **Input equalization and clock recovery, output pre-emphasis**
- **RS-232 control, supporting RS-232 protocols, for connection with central control system**
- **Two RS-422 control port with built-in professional camera control protocols, a variety of professional cameras like TAIDEN HCS-3316HDB, SONY, PELCO and Panasonic can be controlled**
- **One TAINET interface for connection with TAIDEN conference system**
- **One RJ45 interface for TCP/IP connection**
- **Power-off protection for scene status**
- **LCD to display real-time operation**
- **Front panel button control , easy to switch manually**
- **Front panel keyboard lockup and protection function**
- **Scene save and recall function**
- **1U high, full rack width**

Technical Specifications

Video

Data rates143 Mbps ~ 2.97 Gbps
 Data types 8 bit or 10 bit
 Compatible standards SMPTE 259 M, SMPTE 292 M,
 SMPTE 344 M, SMPTE 424M,
 DVB-ASI (270 Mbps)

Video input

Connectors 8 x BNC female
 Input level 0.7 V ~ 1.2 Vp-p
 Input cable equalization Typical equalization cable length
 (RG60/ Ø1.0 mm standard cable)
 50 m @ 2.97 Gbps (odd channel)
 60 m @ 2.97 Gbps (even integer channel)
 90 m @ 1.485 Gbps
 Nominal level 0.8 Vp-p
 Impedance 75 Ohm
 Return loss 20~30 dB @ 5 MHz to 1.5 GHz

Video output

Connectors 8 x BNC double-decker female
 Nominal level 0.8 V ± 7%
 Output level 0.5 V ~ 1.6 Vp-p
 Impedance 75 Ohm
 Return loss >15 dB @ 5 MHz to 1.5 GHz
 DC offset ± 100 mV with no offset at input
 Jitter 20~30 ps @ HD/3G rate
 40~60 ps @ SD rate
 Rise and fall time (20~80%) SD: 600 ps
 HD/3G: 100 ps

Control

To central control system:

COM (RS-232) RS-232, 9 pin female D connector
 COM1 Baudrate: 115200, data: 8 bits, stop: 1 bit, no parity
 RJ45 TCP/IP
 TAINET Baudrate: 19200, to main unit
 RS422 Baudrate: 9600, to dome camera
 RS232 Baudrate: 9600, to control keypad

General specs

Power supply AC 100 V - 240 V, 50 Hz / 60 Hz
 Temperature Operating: 0 °C to + 50 °C;
 storage: -20 °C to + 70 °C
 Humidity Storage and operating: 10% to 90%
 Dimensions h x w x d (mm) 43 x 483 x 208
 (1U high, full rack width)
 Weight 3.0 kg
 Color Gray (PANTONE 425 C)
 Mean time between failures 30,000 hours

Ordering Information

TMX-0808SDI2 8x8 High Definition Digital Video
 Tracking Matrix Switcher (SD/HD/3G)