

FT800 Series

10-bit Digital 8-ch Video



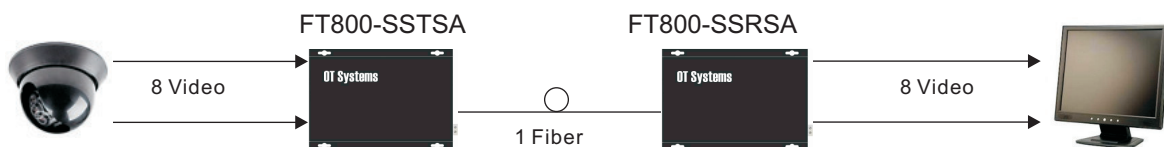
The FT800 series supports optical transmission of high-quality 10-bit PCM coded video through one fiber either in multimode or singlemode.

It provides a cost-effective solution for the transmission of eight-channel video. Either standalone or card module is available for different installation requirements.

Features

- Eight-channel non-compressed 10-bit digital video transmission
- No video degradation over max. operating distance
- Signal to noise ratio better than 65 dB
- Supports NTSC, PAL & SECAM video systems
- Gold plated BNC connector
- Laser diode for optical transmission
- Optimum sensitivity for power budget concerns
- Excellent suppression of EMI & RFI and elimination of ground loop
- Adjustment and maintenance free
- No setup just plug-and-play
- Hot-swappable card modules
- Duplicated LED indicators on the front and rear of the unit for the convenience of observation
- Transient voltage protection on power supply and all signal inputs & outputs
- Robust design for harsh environment applications
- Standalone or card module

Typical Application



FT800 Series

Ordering Information

| Model | Description | No. of Fibers (Wavelengths) | Optical Power Budget | Max. Distance |
|--------------------------------|---|-----------------------------|----------------------|---------------|
| MULTIMODE (62.5/125 um) | | | | |
| FT800-SMT | 8 Video Transmitter | 1 (1310 nm) | 23 dB | 1 km |
| FT800-SMR | 8 Video Receiver | | | |
| SINGLEMODE (9/125 um) | | | | |
| FT800-SST | 8 Video Transmitter | 1 (1310 nm) | 17 dB | 40 km |
| FT800-SSR | 8 Video Receiver | | | |
| FT800-SSTL | 8 Video Transmitter | 1 (1310 nm) | 24 dB | 60 km |
| FT800-SSRL | 8 Video Receiver | | | |
| Accessories: | FT-C18. 19" rack mount chassis (purchased separately) for housing card modules FT-PA/12V. 12VDC power adapter included for standalone (US, European, UK or Australian power plug) | | | |
| Options: | Model numbers specified above are for Card Modules, please add ' SA ' for Standalone. eg. FT800-SMT SA ST type connector is standard. For FC type, specify ' F ' in the model number. Eg. FT800-FMT | | | |

- NOTES: (1) Transmission distance will suffer if additional losses are introduced by the optical connectors, fusions, splices and the fibers within the network.
 (2) Operating distance of multimode is limited by the characteristics of the fiber bandwidth.
 (3) Power adaptor is manufactured by third party and is supplied with fitted screw-terminal output cables.
 (4) Please feel free to consult factory for any special requirement and customization

10-bit Digital Video

Specifications

| Video | | Electrical and Mechanical | |
|------------------------|---|---------------------------|---|
| No. of Channels: | 8 | Power: | SA: 12VDC @ 6.0W Card: From FT-C18 chassis |
| Bandwidth: | 6.5MHz per channel | Dimensions (HxWxD): | SA: 50 x 156 x 212mm Card: 154 x 41 x 212mm |
| Format: | PAL / NTSC / SECAM | Weight: | SA: 0.92kg Card type: 0.40kg |
| Input / Output: | 1.0 Vp-p, 75 ohms | No. of rack slots: | 2 |
| Differential Gain: | < 1% typical | LED Indicators: | Power, Video per channel, Optical carrier detected |
| Differential Phase: | < 1° typical | | |
| Signal-to-Noise Ratio: | > 65dB | | |
| Connectors | | Environmental | |
| Optical: | ST (standard), FC | Operating Temp.: | -40°C to +75°C |
| Video: | BNC | Storage Temp.: | -40°C to +85°C |
| Power: | SA: 2-pin screw terminal Card: Futurebus connector | Relative Humidity: | 0 to 95% non-condensing |
| | | MTBF: | > 100,000 hours |



Lifetime Warranty