

FT100 Series

10-bit Digital 1-ch Video



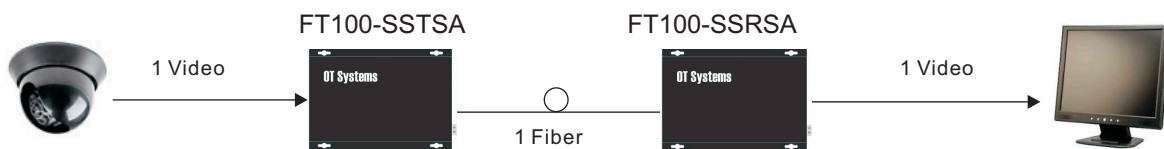
The FT100 series supports optical transmission of high-quality 10-bit PCM coded video through one fiber either in multimode or singlemode.

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

Features

- 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



FT100 Series

Ordering Information

Model	Description	No. of Fibers (Wavelengths)	Optical Power Budget	Max. Distance
MULTIMODE (62.5/125 um)				
FT100-SMT	1 Video Transmitter	1 (1310 nm)	23 dB	4 km
FT100-SMR	1 Video Receiver			
SINGLEMODE (9/125 um)				
FT100-SST	1 Video Transmitter	1 (1310 nm)	17 dB	40 km
FT100-SSR	1 Video Receiver			
FT100-SSTL	1 Video Transmitter	1 (1310 nm)	24 dB	60 km
FT100-SSRL	1 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. FT100-SMT SA ST type connector is standard. For FC type, specify ' F ' in the model number. Eg. FT100-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

Specifications

Video		Electrical and Mechanical	
No. of Channels:	1	Power:	SA: 12VDC @ 3.6W Card: From FT-C18 chassis
Bandwidth:	6.5MHz per channel	Dimensions (HxWxD):	SA: 30 x 156 x 212mm Card: 154 x 20.4 x 212mm
Format:	PAL / NTSC / SECAM	Weight:	SA: 0.63kg Card type: 0.18kg
Input / Output:	1.0 Vp-p, 75 ohms	No. of rack slots:	1
Differential Gain:	< 1% typical	LED Indicators:	Power, Video, 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**