

Card module 8-bit Digital 1-ch Video



The FTD100 series supports optical transmission of 8-bit PCM coded video on one multimode or singlemode optical fiber. Its card module feature enables it to be fitted in the FT-C18 rack-mount chassis.

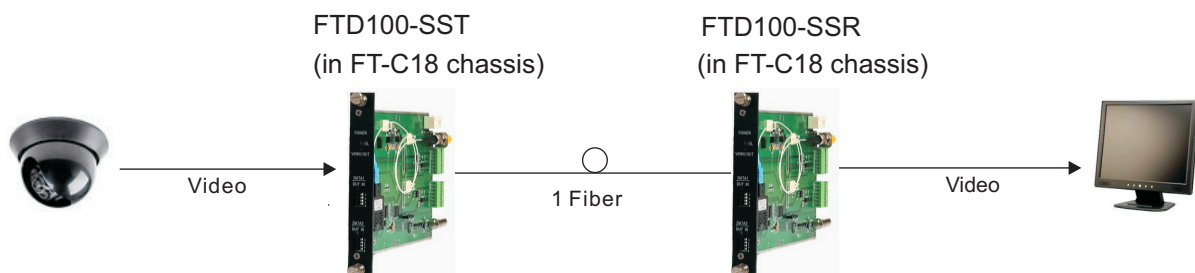
The FTD100 series are also compatible with transmitters/receivers of the FTD100Micro, FTD100M and FTD100-XXR3 series.

8-bit Digital Video

Features

- Non-compressed 8-bit digital video transmission
- No video degradation over max. operating distance
- Signal to noise ratio better than 60 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
- The FTD100 series are compatible with transmitters/receivers of the FTD100Micro, FTD100M and FTD100-XXR3 series

Typical Application



FTD100 Series

Ordering Information

Model	Description	No. of Fibers (Wavelengths)	Optical Power Budget	Max. Distance
MULTIMODE (62.5/125 um)				
FTD100-SMT	1 Video Transmitter	1 (1310 nm)	23 dB	4 km
FTD100-SMR	1 Video Receiver			
SINGLEMODE (9/125 um)				
FTD100-SST	1 Video Transmitter	1 (1310 nm)	17 dB	40 km
FTD100-SSR	1 Video Receiver			
FTD100-SSTL	1 Video Transmitter	1 (1310 nm)	24 dB	60 km
FTD100-SSRL	1 Video Receiver			
Compatibility:	FTD100-SMR also with FTD100Micro-SMT & FTD100M-SMT FTD100-SSR also with FTD100Micro-SST & FTD100M-SST FTD100-SMT also with FTD100-SMR3 FTD100-SST also with FTD100-SSR3			
Accessories:	FT-C18. 19" rack mount chassis (purchased separately) for housing card modules			
Options:	ST type connector is standard. For FC type, specify 'F' in the model number. Eg. FTD100-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:	From FT-C18 chassis
Bandwidth:	6.5MHz	Dimensions (HxWxD):	154.0 x 20.4 x 212.0mm
Format:	PAL / NTSC / SECAM	Weight:	0.20kg
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:	> 60dB		
Connectors		Environmental	
Optical:	ST (standard), FC	Operating Temp.:	-40°C to +75°C
Video:	BNC	Storage Temp.:	-40°C to +85°C
Power:	Futurebus connector	Relative Humidity:	0 to 95% non-condensing
		MTBF:	> 100,000 hours



Lifetime Warranty