

FTD100Micro Series

Microtype 8-bit Digital 1-ch Video



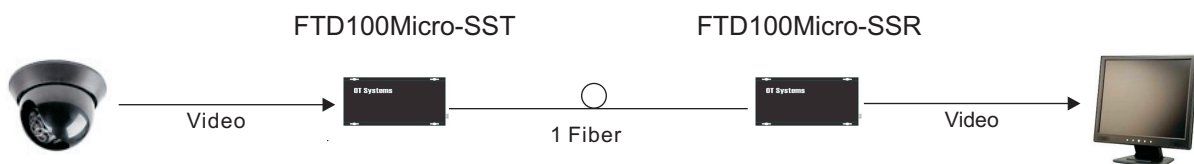
The FTD100Micro series supports optical transmission of 8-bit PCM coded video through one multimode or singlemode optical fiber. It is the smallest video transmitter/receiver pair among all OT Systems products. The transmitter only occupies limited space for easy installation within most camera housings.

Transmitters of the FTD100Micro series are also compatible with receivers of the FTD100, FTD100-XXR3 and FTD100M series, catering to different system configurations.

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
- 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
- Transient voltage protection on power supply and all signal inputs & outputs
- Robust design for harsh environment applications
- Microtype fits within most camera housings
- Cost effective solution for small scale systems
- Transmitters of the FTD100Micro series are also compatible with receivers of the FTD100, FTD100-XXR3 and FTD100M series
- Transmitter can be powered by 12VDC power adapter or direct 24VAC power

Typical Application



FTD100Micro Series

Ordering Information

Model	Description	No. of Fibers (Wavelengths)	Optical Power Budget	Max. Distance
MULTIMODE (62.5/125 um)				
FTD100Micro-SMT	Microtype 1 Video Transmitter	1 (1310 nm)	23 dB	4 km
FTD100Micro24-SMT	Microtype 1 Video Transmitter (24VAC)			
FTD100Micro-SMR	Microtype 1 Video Receiver			
SINGLEMODE (9/125 um)				
FTD100Micro-SST	Microtype 1 Video Transmitter	1 (1310 nm)	17 dB	40 km
FTD100Micro24-SST	Microtype 1 Video Transmitter (24VAC)			
FTD100Micro-SSR	Microtype 1 Video Receiver			
FTD100Micro-SSTL	Microtype 1 Video Transmitter	1 (1310 nm)	24 dB	60 km
FTD100Micro24-SSTL	Microtype 1 Video Transmitter (24VAC)			
FTD100Micro-SSRL	Microtype 1 Video Receiver			
Compatibility:	FTD100Micro(24)-SMT also with FTD100Micro-SMR, FTD100-SMR, FTD100-SMR3 & FTD100M-SMR FTD100Micro(24)-SST also with FTD100Micro-SSR, FTD100-SSR, FTD100-SSR3 & FTD100M-SSR FTD100Micro(24)-SSTL also with FTD100Micro-SSRL, FTD100-SSRL, FTD100-SSR3L & FTD100M-SSRL			
Accessories:	FT-PA/12V. 12VDC power adapter included. US, European, UK or Australian power plug available			
Options:	ST type connector is standard. For FC type, specify 'F' in the model number. Eg. FTD100Micro-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:	12VDC(24VAC*) @ 1.8W
Bandwidth:	≥6MHz	Dimensions (WxHxD):	36.2 x 24.5 x 101(111*)mm (Max)
Format:	PAL / NTSC / SECAM	Weight:	0.1kg
Input / Output:	1.0 Vp-p, 75 ohms	LED Indicators:	Power, Video, Optical carrier detected
Differential Gain:	< 1% typical	*Specifications of FTD100Micro24	
Differential Phase:	< 1° typical	Environmental	
Signal-to-Noise Ratio:	> 60dB	Operating Temp.:	-40°C to +75°C
Connectors		Storage Temp.:	-40°C to +85°C
Optical:	ST (standard), FC	Relative Humidity:	0 to 95% non-condensing
Video:	BNC	MTBF:	> 100,000 hours
Power:	2-pin screw terminal		



**Lifetime
Warranty**