

FT4800 Series

Rack Mount 10-bit Digital 48-ch Video



The FT4800 series supports optical transmission of high-quality 10-bit PCM coded video through one fiber in singlemode.

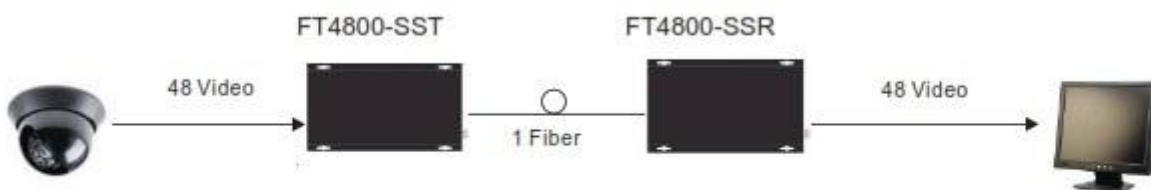
It provides a cost-effective solution for the transmission of forty-eight-channel video. It utilizes the CWDM technology to handle multi-channel signal transmission using only one fiber. It is available in rack mount type.

Features

- Forty-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
- Single-fiber operation
- 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
- 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
- Rack mount type

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Typical Application



FT4800 Series

Ordering Information

Model	Description	No. of Fibers (Wavelengths)	Optical Power Budget	Max. Distance
SINGLEMODE (9/125 um)				
FT4800-SST	48 Video Transmitter	1 (1470/1490/1510 1530/1550/1570 nm)	18 dB	60 km
FT4800-SSR	48 Video Receiver			
Accessories:	FT-C18 and FT-PSU/12V (US, European, UK or Australian power plug) are included as a complete unit			
Options:	ST type connector is standard. For FC type, specify 'F' in the model number. Eg. FT4800-FST Also available with Data, Audio, Contact Closure. Please consult factory			

- 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

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Specifications

Video		Electrical and Mechanical	
No. of Channels:	48	Power:	From FT-C18 chassis
Bandwidth:	6.5MHz per channel	Dimensions (HxWxD):	176 x 486 x 266mm
Format:	PAL / NTSC / SECAM	Weight:	10.3kg
Input / Output:	1.0 Vp-p, 75 ohms	LED Indicators:	Power, Video per channel, Optical carrier detected,
Differential Gain:	< 1% typical	Environmental	
Differential Phase:	< 1° typical	Operating Temp.:	-40°C to +75°C
Signal-to-Noise Ratio:	> 65dB	Storage Temp.:	-40°C to +85°C
Connectors		Relative Humidity:	0 to 95% non-condensing
Optical:	ST (standard), FC	MTBF:	> 100,000 hours
Video:	BNC		



**Lifetime
Warranty**