

# FT6400 Series

## Rack Mount 10-bit Digital 64-ch Video



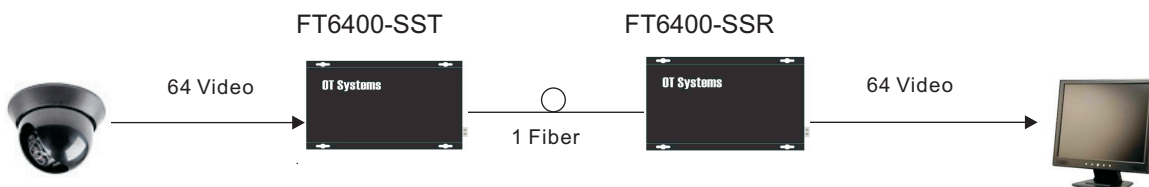
The FT6400 series supports optical transmission of high-quality 10-bit PCM coded video through one fiber in singlemode.

It provides a cost-effective solution for the transmission of sixty-four-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

- Sixty-four-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

### Typical Application



# FT6400 Series

## Ordering Information

Model	Description	No. of Fibers (Wavelengths)	Optical Power Budget	Max. Distance
<b>SINGLEMODE (9/125 um)</b>				
FT6400-SST	64 Video Transmitter	1 (1470/1490/1510 1530/1550/1570 1590/1610 nm)	18 dB	60 km
FT6400-SSR	64 Video Receiver			
<b>Accessories:</b>	FT-C18 and FT-PSU/12V (US, European, UK or Australian power plug) are included as a complete unit			
<b>Options:</b>	ST type connector is standard. For FC type, specify 'F' in the model number. Eg. FT6400-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

10-bit Digital Video

## Specifications

Video		Electrical and Mechanical	
No. of Channels:	64	Power:	From FT-C18 chassis
Bandwidth:	6.5MHz per channel	Dimensions (HxWxD):	176 x 486 x 266mm
Format:	PAL / NTSC / SECAM	Weight:	11kg
Input / Output:	1.0 Vp-p, 75 ohms	LED Indicators:	Power, Video per channel, Optical carrier detected,
Differential Gain:	< 1% typical	<b>Environmental</b>	
Differential Phase:	< 1° typical		
Signal-to-Noise Ratio:	> 65dB		
<b>Connectors</b>			
Optical:	ST (standard), FC	Operating Temp.:	-40°C to +75°C
Video:	BNC	Storage Temp.:	-40°C to +85°C
		Relative Humidity:	0 to 95% non-condensing
		MTBF:	> 100,000 hours



**Lifetime Warranty**