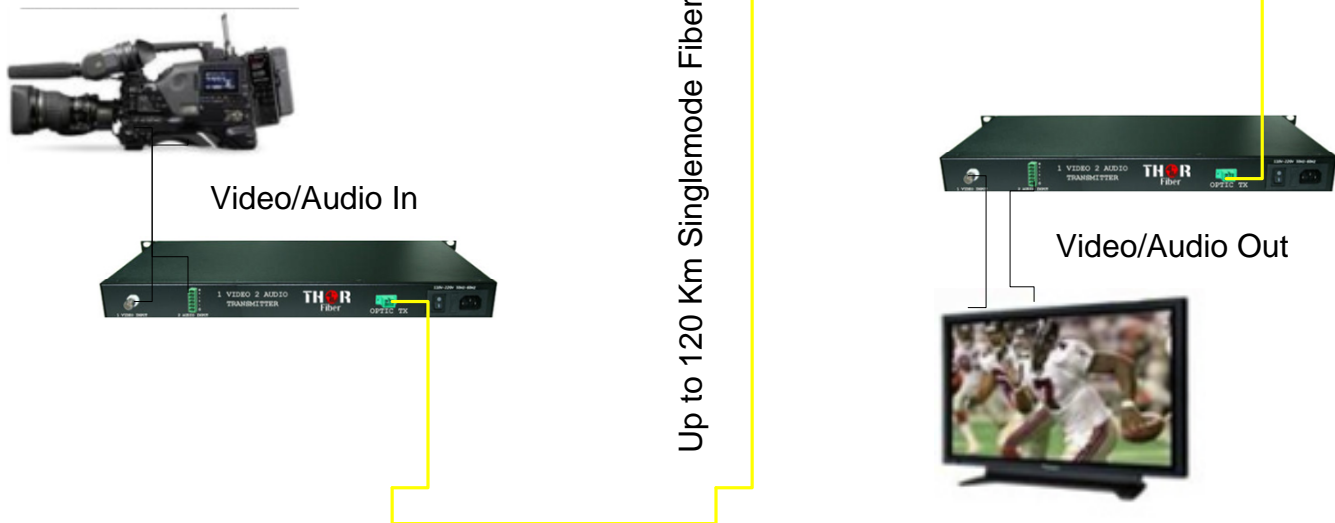


We offer both off the shelf and custom solutions for video transmission over fiber. Our fiber optics video converters are ideal for multiplexing up to 32 composite video channels and 64 audio channels over fiber. We also offer bi-directional transport of signals in both directions over a single fiber.



The F-1V2A is a video multiplexer and video to fiber system that carries one channel of composite video and 2 channels of audio over a single fiber. The video and audio signals are transported by 10 bit digital transmission techniques which eliminates signal degradation. Our units work with standard singlemode or multimode optical fiber with fiber optic transmission distances of up to 120 km when used with singlemode fiber. Standard Chassis is a 1RU 19 inch rack enclosure, however compact 5 inch enclosures powered by 12 VDC are available for portable applications

## Typical F-1V2A Application



## Technical Specifications

Standards:	NTSC, PAL, SECAM
Channels:	1 Baseband Video & 2 Audio
Video Bandwidth	10Hz – 6.5MHz
SNR/dP/dG	67 dB < 1 deg / < 0.5%
Video Input	1 Vp-p 75 ohm
Audio	Terminal Block, 600 ohm
Optical Wavelength	1310nm – 40 Km 1550nm – 80 Km CWDM, DWDM – 80Km, 120Km
Tx Output Power	-5 dBm
Rx Sensitivity	-30 dBm
Optical Link Budget	25 dB
Long Range Models	35 dB
Saturation	No

Operating Temp:	0 – 50 (°C)
Storage Temp:	-20 – 70 (°C)
Operating Humidity:	0 – 90 (%)
Storage Humidity:	0 – 90 (%)
Power Requirements:	110/240V Auto Sense
Dimensions:	480mmX225mmX44mm