

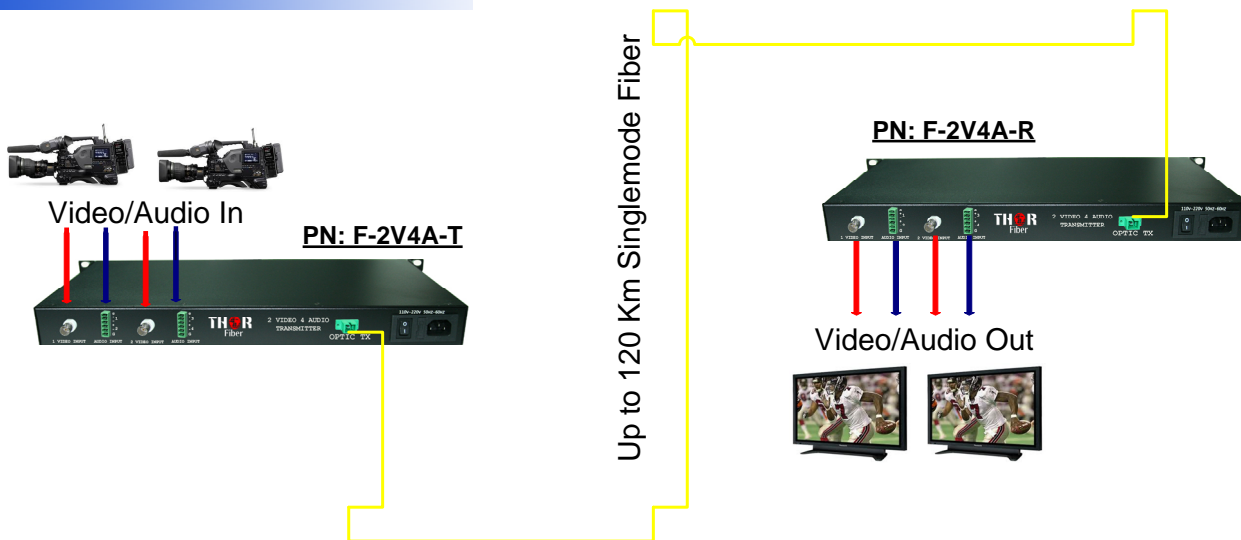
# Data Sheet: F-2V4A



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-2V4A is a video multiplexer and video to fiber system that carries 2 channel of composite video and 4 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.



## Typical F-2V4A Application



## Technical Specifications

Standards:	NTSC, PAL, SECAM	Operating Temp:	0 – 50 (°C)
Channels:	2 Baseband Video & 4 Audio	Storage Temp:	-20 – 70 (°C)
Video Bandwidth	10Hz – 6.5MHz	Operating Humidity:	0 – 90 (%)
SNR/dP/dG	67 dB < 1 deg / < 0.5%	Storage Humidity:	0 – 90 (%)
Video Input	1 Vp-p 75 ohm	Power Requirements:	110/240V Auto Sense
Audio	Terminal Block, 600 ohm	Dimensions:	480mmX225mmX44mm
Optical Wavelength	1310nm – 40 Km 1550nm – 80Km CWDM, DWDM - 80Km, 120Km		
Tx Output Power	-5 dBm		
Rx Sensitivity	-30 dBm		
Saturation	No		