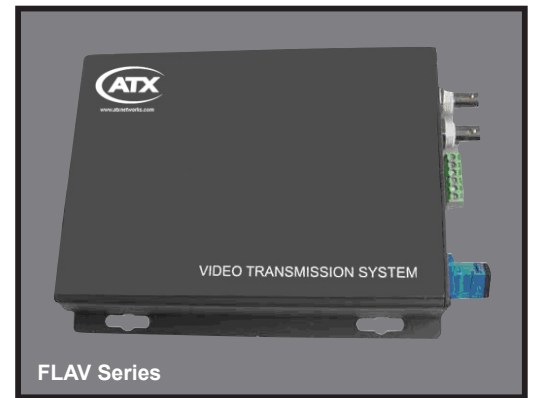


Uncompressed Digital Video/Audio Fiber Module:

The FLAV series optical transmitters & receivers are designed to transport uncompressed digital video & audio over multimode & single-mode fiber. The optical transmitter can accept from one to four analog videos with two to eight audios. Video is converted into uncompressed data with 10-bit resolution and audio is converted into uncompressed data with 20-bit resolution to provide superior video & audio quality. The transmitters & receivers are available in wall mount or 1RU rack mount configurations.

Features:

- ▶ 10-bit video conversion & 20-bit audio conversion
- ▶ Wide dynamic video AGC supports 0.6V-1.6V video input level
- ▶ Audio output can be balanced/unbalanced auto switching with ESD protection
- ▶ Maximum fiber distance up to 120 km
- ▶ System topology can be point-to-point or point-to-multipoint

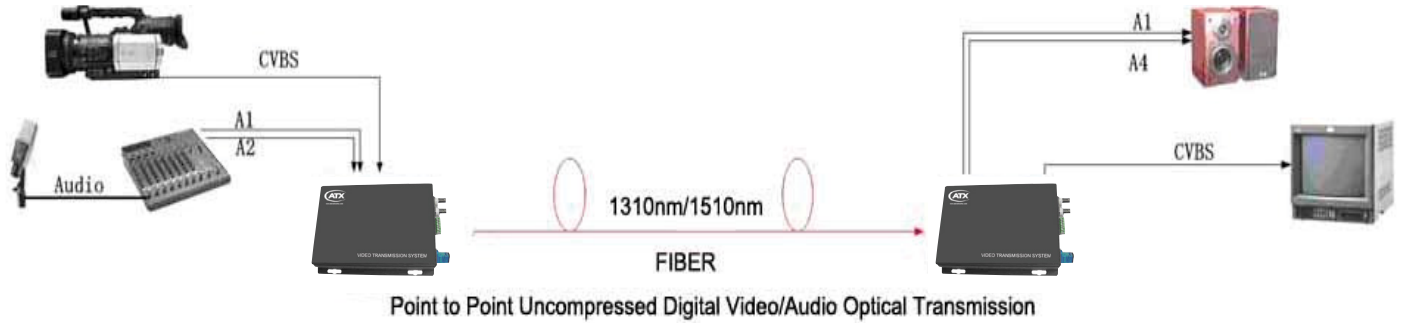


Uncompressed Digital Video/Audio Fiber Module Specifications

SPECIFICATIONS			
VIDEO INPUT		AUDIO INPUT	
VIDEO CHANNEL	1 or 2	AUDIO CHANNEL	2 or 4
VIDEO LEVEL	0.6-1.6 Vp.p	MAX. AUDIO LEVEL	17.4 Vp.p (+18 dBm)
VIDEO IMPEDANCE	75 Ω	AUDIO BANDWIDTH	20 Hz - 20 KHz
CONNECTOR	BNC	AUDIO IMPEDANCE	600 Ω
		CONNECTOR	3 PIN Balanced
OPTICAL PARAMETER			
WAVELENGTH	1310nm/1550nm or CWDM Wavelength		
TX POWER	-12 dBm to -3 dBm		
RX SENSITIVITY	-32 dBm to -3 dBm		
TRANSMISSION	2 km (multimode), 20 km, 40 km, 60 km, 80 km, 100 km+		
CONNECTOR	SC/PC		
VIDEO OUTPUT		AUDIO OUTPUT	
VIDEO CHANNEL	1, 2 or 4	AUDIO CHANNEL	2, 4 or 8
OUTPUT LEVEL	1 Vp.p	MAXIMUM LEVEL	17.4 Vp.p (+18 dBm)
SNR	> 71 dB	SNR	> 86 dB (unweighted)
DIFFERENTIAL GAIN	< 1%	HARMONIC DISTORTION	< 0.2%
DIFFERENTIAL PHASE	< 1°	BANDWIDTH	20 Hz - 20 KHz @ -0.5 dB
FLATNESS	+/- 0.2 dB to 5.75 MHz	AUDIO CHANNEL	> 90 dB @ 1 KHz
LUM/CHR DELAY	< 10nS	ISOLATION	> 90 dB @ 20 KHz
IMPEDANCE	75 Ω	IMPEDANCE	40 Ω
CONNECTOR	BNC	CONNECTOR	3 PIN Balanced
OPERATION TEMPERATURE	0°C to +50°C (+32°F to +122°F)		
HUMIDITY	20-55% (without condensation)		
POWER SUPPLY	12 VDC (External AC 95-265V, 50/60 Hz)		
POWER CONSUMPTION	< 5W		
DIMENSIONS	5.51"H x 6.3"W x 1.1"D (14.0H x 16.0W x 2.79D cm)		
WEIGHT	2.04 lbs (0.93 kg)		

Uncompressed Digital Video/Audio Fiber Module:

Application Diagram



Ordering Information

FLAV - - -

A B C D

Analog Video Channel #	Analog Audio Channel #	Fiber Distance	Wavelengths
1	2	20 = 20 km	13 = 1310nm
2	4	40 = 40 km	15 = 1550nm
--	--	60 = 60 km	47 = 1470nm
--	--	80 = 80 km	49 = 1490nm
--	--	100 = 100+ km	51 = 1510nm
--	--	--	53 = 1530nm
--	--	--	55 = 1550nm
--	--	--	57 = 1570nm
--	--	--	59 = 1590nm
--	--	--	61 = 1610nm

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Specifications subject to change without notice.