

Analog Audio Fiber Optic Extender

Model No: FI A40

Description

The analog audio fiber optic extender is to transmit 4-ch forward balance audio over single core optical fiber caber to a long distance. This extender contains an electrical to optical converter and an optical to electrical converter. It takes most advantage of fiber cable anti-interference and reliability to make sure the original source audio could be transmitted to a remote place. We could supply analog audio or digital AES/EBU audio fiber box with different configurations according to your actual project request.

Features

- 1. 4-ch forward audio over single core fiber
- Balanced analog audio with XLR connector
- 3. Broadcast quality level with high integration and stability
- 4. FPGA solution, digital coding/decoding and clock recovery technology
- 5. Automatic high-pass filtering, isolation of DC offset
- Intelligent noise control system for soft rising or falling slant waves and analog noise with 100dB SNR in blast-free operation
- 7. Single fiber, ST/SC/FC/LC fiber port optional
- 8. Single mode for 20KM standard, optional 100KM max
- 9. LED status indicators monitor the critical parameters
- 10. could be 64 channels of audio over single core fiber
- 11. We could make it as your requested specifications like mixing with other SDI/DVI/HDMI/DP/VGA video signal





Order Info

Model Number	Specification
FLA40	4-Ch forward audio, balanced analog, XLR connector, single mode, single fiber, FC/SC/LC/ST fiber port, stand alone, 20KM

Application

Remote OB Van/Truck Video Feeds, Broadcast Studio Camera Feeds, TV station/video conference, broadcast live transmission, Medical/Surgical Room Broadcast, Building to Building video conference, video wall controller, commend center.

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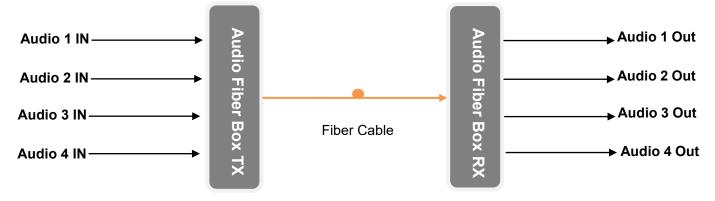
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Specification

	Number	4 input on TX and 4 output on RX
	Audio physical interface	Carnon head female/male
	Signal level	0.5-4Vp-p
	Dynamic bandwidth	101 dB
	Total harmonic distortion	-90 dB
	(THD)	
	Sampling frequency	192 KHz
	Audio A/D sampling	24 Bit
Audio	Signal to noise ratio (SNR)	100 dB
	Amplitude frequency characteristic	≤±0.5 dB
	Audio input/output impedance	600 Ω balance
	Audio maximum input/output voltage	0~4V /0~2.5V
	Audio gain	±0.1 dB
	Maximum input level	≥9.5 dBm
	Non-linear distortion	≤0.2%
	Channel	1
	Wavelength	1310nm&1470nm~1610nm(selection is based on
Fiber Optic		device function)
1 lbci Optio	Tx power	>-7db
	Rx sensitivity	>-24db
	Fiber connector	FC (SC,ST,LC optional)
	Operating temperature	-20°C ~ 70°C
	Storage temperature	-40°C ~ 85°C
Power and	Relative humidity	5 to 95% (non-condensing)
Environmental	Working life	>100, 000hours
	Desktop	DC 12V1A
	Rack	AC 110~240V 50/60Hz

Diagram



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