Audio to fiber converter XLR port

The Balanced Audio Optical Transceiver delivers high-quality, distortion-free audio over 20KM using advanced Gigabit fiber technology. It's stable, easy to install, customizable, and ideal for applications like security, broadcasting, and remote teaching. Features include wide compatibility, real-time monitoring, and plug-and-play design.

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Variants

8CH Forward 1CH Forward 4CH Bidirectional 2CH Bidirectional 1CH Bidirectional 4CH Forward 2CH Forward

Details

?Introduction?

The balanced audio optical transceiver adopts the internationally advanced digital Gigabit optical fiber transmission technology. Real-time synchronization without distortion on a single optical fiber, and high-quality balanced audio signals are transmitted over a minimum distance of 20KM. The optical transceiver adopts all-digital uncompressed transmission technology.

This optical transceiver has high stability, all optical and electrical interfaces comply with international standards, and is suitable for different working environments. The optical transceiver has a link status indicator. Through the indicator lights on the panel, you can know whether the transceiver and transmission link are operating normally. It can be flexibly customized according to the different needs of users. The plug-and-play design is easy to install and requires no on-site debugging. The above-mentioned optical transceiver can be installed in a stand-alone or rack-mounted manner.

Weight ≈0.36kg/pc

?Features?

? All surface technology patches

?Aluminum alloy fine casing

? With APC circuit, constant output optical power and large dynamic range

? Gigabit optical fiber transmission, large capacity, easy to upgrade

? LEDs for power and other parameter status indication monitor system health

?Advanced adaptive technology, no on-site electrical or optical adjustments are required during use

?Application?

? Intelligent Traffic Monitoring System (ITS)

? Security system

? TV medical

? Remote multimedia teaching/campus monitoring

? Video and telephone conference

? Long-distance radio and television transmission system

? Building control system

?Parameters?

? Audio	
Audio input/output impedance	600 Ohm?balanced?
Audio maximum input/output voltage	3.0Vp-p
Frequency response	10?3kHz
Total harmonic distortion	0.05%
signal-to-noise ratio	> 95dB
Channel physical interface	XLR
? Fiber**?20KM?**	

Wavelength	1310nm/1550nm
Fiber type	9/125u single mode
Output power	?8?3dBm
Senstivity	?14~17 dBm
Fiber port	FC/SC/ST optional
? General parameters	
Power	220V
Working temperature	?35??70?
Working humidity	0?95%(No condensation)

?Connection

示意图为单向传输，双向传输同理；
功放输出为大功率信号，不能接发射端输入，避免损坏设备。