

FMX-EA-HDMI-15T | Fiber Optic HDMI Advance Transmitter



Key features

- Embedded, stable operation with DC 5V power supply, 10W consumption
- Supports 3.5mm analogue audio and HDMI input, HDMI dual-channel audio output
- HDMI input signal monitoring and power-off loop out
- Audio embedding and de-embedding capability
- DIP switch for easy configuration and RS485 control support
- Maximum transmission distance: 2KM over fiber

Product Overview

The FMX-EA-HDMI-15T Optical Fiber Extender is an advanced high-performance HDMI extender designed for stable, long-distance 4K30 audio and video transmission over optical fiber. Ideal for professional AV applications, this solution features robust embedded design, supports both HDMI and analogue audio input/output, and ensures seamless switching, signal monitoring, and advanced audio embedding/de-embedding. With a transmission range up to 2KM, the FMX-EA-HDMI-15T is perfect for boardrooms, conference venues, control centers, and large-scale AV installations seeking reliable, low-latency signal distribution.

Technical Specification

Feature	Details
Video Input	HDMI x1 (up to 4K30)
Video Output	HDMI x1 (4K30, power-off loop out); Fiber x1 (1080p@60)
Audio Input	3.5mm Audio in x1, HDMI x1
Audio Output	HDMI x1 (dual channel, 48KHz)
DIP Switch	8PIN: audio embedding, center control; 4PIN: RS485
Transmission Distance	HDMI Up to 15m, Fiber up to 2km
Control Interface	RS485 (baud rate adjustable, default 115200bps)
Power	DC 5V/4A
Power Consumption	10W
Size	170mm x 113mm x 30mm
Operating Temp/Humidity	-20°C~+50°C; 10%~90%
Storage Temp/Humidity	-5°C~+30°C; 20%~75%
Certifications	CE, RoHS compliance



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