Datasheet

FMX-EA-HDMI-15R | Fiber Optic HDMI Advance Receiver



Key features

- Supports HDMI input and output, with embedded dual-channel audio (48KHz)
- Maximum HDMI output resolution is 4K30; supports long-distance transmission
- HDMI signal monitoring, automatic switching, power-off loop out
- DIP switch and RS485 configuration for central control
- Sturdy 170mm x 113mm x 30mm chassis with reliable DC 5V operation

Product Overview

The FMX-EA-HDMI-15R Optical Fiber Extender offers seamless 4K30 HDMI signal extension and advanced audio switching for demanding AV environments. Designed exclusively for embedded dual-channel audio, this extender guarantees robust long-distance transmission, supporting up to 2KM over optical fiber. Its universal compatibility, intelligent power-off loop, and configurable RS485 control make it perfect for digital signage, conference rooms, and large-scale AV deployments.

Technical Specification

Feature	Details
Video Input	HDMI x1 (up to 4K30)
Video Output	HDMI x1 (4K30, power-off loop out)
Audio Input	HDMI x1 (embedded two-channel, 48KHz)
Audio Output	3.5mm Audio out x1, HDMI x1
DIP Switch	8PIN: audio embedding, center control; 4PIN: RS485
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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