Datasheet

FMX-EA-HDMI-2KR | UHD Fiber Optic HDMI Advance Receiver



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
- Transmits HDMI video up to 4K30 via optical fiber
- 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

With a focus on robust signal transmission and high-resolution support, the FMX-EA-HDMI-2KR Optical Fiber Extender is a receiver designed to pair with FMX-EA-HDMI-2KR for delivering clear 4K content over optical fiber. It integrates advanced optical modules to ensure long-distance, high-fidelity HDMI transmission ideal for AV professionals managing large-scale deployments. This receiver supports comprehensive control via RS485 and is compatible with HDCP 1.4 content protection, providing secure and seamless data delivery.

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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