Datasheet

AVBRINX-FSE70-T/R | Universal HSDA Extender Over Fiber Optic





Key features

- Long-distance transmission up to 2 kilometers over optical fiber
- Supports multiple video formats: HDMI, DVI, CVBS, YPBPR, VGA
- Flexible resolution adjustment for any display requirement
- Enhanced image controls including brightness and contrast equalization
- 10% zoom capability for precise image scaling
- Image mirroring support for versatile installation scenarios
- Robust and reliable signal transmission without interference

Product Overview

The Macsys AVBRINX-FSE70-T/R Universal HSDA Extender over Fiber Optic is a cutting-edge solution designed to extend high-definition video and audio signals over long distances with crystal-clear quality. This fiber optic extender supports multiple video formats including HDMI, DVI, CVBS, YPBPR, and VGA, making it a versatile choice for diverse audiovisual setups. Engineered for up to 2 kilometers transmission over optical fiber, the AVBRINX-FSE70-T/R ensures reliable, secure, and interference-free signal delivery in corporate, broadcasting, and educational environments. Advanced image control features like brightness and contrast equalization, 10% zoom, and image mirroring offer superior customization to optimize the visual experience. Its ability to support arbitrary resolution adjustments makes it an ideal fit for modern AV systems requiring flexible display configurations. This extender stands out as a premium product in fiber optic signal transmission technology, delivering unmatched performance, durability, and ease of integration.

Technical Specification

Feature	Details
Model	AVBRINX-FSE70-T
Function	Fiber optic signal transmitter for HDMI/DVI/CVBS/YPBPR/VGA signals
Input Type	CVBS, YPbPr, VGA, HDMI, DVI signals
Audio Input	3.5 mm stereo analog input
Signal Recognition	Automatic recognition of input signals
Image Adjustment Features	Brightness and contrast equalization
Transmission Distance	Up to 2 kilometers over optical fiber
Audio/Video Sync	Synchronized audio and video transmission
Protocol Support	HDMI 1.3a, DVI 1.0
HDCP Compliance	Supported via HDBaseT interface technology
Color Space Support	RGB444, YUV444, YUV422 x.v extended color gamut standard
Maximum Resolution	1080P 3D @ 60Hz
Model	AVBRINX-FSE70-R
Output Type	CVBS, YPbPr, VGA, HDMI, DVI signals
Audio Output	3.5 mm stereo analog output
Signal Recognition	Automatic recognition of output signals
Transmission Distance	Up to 2 kilometers over optical fiber
Audio/Video Sync	Synchronized audio and video transmission
Protocol Support	HDMI 1.3a, DVI 1.0
HDCP Compliance	Supported via HDBaseT interface technology
Color Space Support	RGB444, YUV444, YUV422 x.v extended color gamut standard
Output Resolution	Can fix 26 kinds of common resolution output below 1080P @ 60Hz
Zoom Capability	Supports 10% image zoom
Image Mirroring	Supported
Resolution Adjustment	Arbitrary adjustment supported
Image Adjustment Features	Brightness and contrast equalization
Certifications	CE, RoHS compliance

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