Datasheet

AVBrinX-SC35 | Universal Signal Converter HSDA to 3G-SDI



Key features

- Converts CVBS, YPbPr, VGA, DVI, and HDMI signals to professional 3G-SDI output
- Embeds analog left/right channel audio into SDI for complete AV transmission
- Special Signal processing for improved compatibility and image quality
- Supports deinterlacing, 3D noise reduction, detail adjustment, resolution scaling, and image inversion
- Automatically detects and switches input signals for effortless operation
- Provides dual 3G-SDI BNC outputs for redundancy or multiple destinations
- DVI-I input with adapters (VGA, YPbPr, CVBS) and 3.5mm audio input for seamless connectivity

Product Overview

The Macsys AVBrinX-SC35 is a high-performance universal signal converter designed to seamlessly transform multiple video formats into professional-grade 3G-SDI output. This powerful HSDA to 3G-SDI converter supports CVBS, YPbPr, VGA, DVI, and HDMI input signals, embedding analog left and right audio channels directly into the SDI stream for synchronized transmission. Featuring a DVI-I input interface with dedicated adapters for VGA, YPbPr, and CVBS, and 3.5mm audio input, it ensures unparalleled compatibility across diverse AV setups.
Engineered with Special signal processing technology, the AVBrinX-SC35 delivers superior image quality through deinterlacing, 3D noise reduction, and image detail adjustment. It also supports resolution scaling and image inversion, with automatic input signal recognition for hassle-free operation. The dual BNC outputs provide simultaneous SDI signal delivery, making it ideal for professional applications including broadcasting, video conferencing, digital signage, security monitoring, and multimedia control systems. This converter offers unmatched flexibility and reliability for modern AV environments.

Technical Specification

Feature	Details
Input Signals	CVBS, YPbPr, VGA, DVI, HDMI via DVI-I interface; analog audio via 3.5mm jack
Output Signals	Dual 3G-SDI (BNC interface) simultaneous outputs
Protocols	HDMI 1.3a, DVI 1.0, HDCP 1.3 compliant
Color Space	RGB444, YUV444, YUV422, x.v.Color extended color gamut standard
Resolutions	Up to 26 selectable resolutions below 1080P@60Hz output
Video Processing	Deinterlacing, 3D noise reduction, image detail adjustment, image inversion
Audio Embedding	Analog L/R audio embedded into SDI signal
Intelligent Recognition	Automatic detection and conversion of input signal type
Dimensions (W×H×D)	140 × 43 × 155 (W × H × D)
Certifications	CE, RoHS compliance

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