Datasheet

AVBrinX-SC20 |Universal HSDA Signal Converter



Key features

- Multi-format input: CVBS, YPbPr, VGA, DVI, HDMI
- Supports HDMI 1.3a, DVI 1.0, HDCP 1.3
- Advanced color space support: RGB444, YUV444, YUV422, xv.Color
- 26 fixed resolutions below 1080P@60Hz
- Special Signal processing for improved compatibility and image quality
- Advanced video features: deinterlacing, 3D noise reduction, image detail adjustment
- Automatic input signal recognition for seamless switching
- Adjustable output resolution and image inversion for versatile use
- DVI-I interface with adapters for various formats
- Audio transmission via 3.5mm interface for synchronized AV output

Product Overview

The Macsys AVBrinX-SC20 is a professional-grade universal HSDA signal converter designed to bridge multiple analog and digital video formats into HDMI output effortlessly. Supporting CVBS, YPbPr, VGA, DVI, and HDMI inputs, it enables seamless integration of legacy and modern devices. Compatible with HDMI 1.3a, DVI 1.0, and HDCP 1.3 protocols, it ensures secure, high-quality transmission for home theaters, conference rooms, digital signage, and professional AV setups.

With extended color gamut support (RGB444, YUV444, YUV422, xv.Color), the converter delivers accurate, vibrant colors, while offering 26 fixed resolutions below 1080P@60Hz for consistent display performance. Its compact design makes installation easy in space-constrained environments. Ideal for AV professionals and enthusiasts, the AVBrinX-SC20 provides a reliable, plug-and-play solution for signal conversion and video quality optimization.

Technical Specification

Feature	Details
Input Signal Formats	CVBS, YPbPr, VGA, DVI, HDMI (all via DVI-I interface; adapters required for VGA, YPbPr, CVBS, HDMI)
Output Signal Format	DVI-I (HDMI output via DVI-HDMI adapter)
Supported Protocols	HDMI 1.3a, DVI 1.0, HDCP 1.3
Color Space Support	RGB444, YUV444, YUV422, xv.Color
Resolution Output	Up to 26 selectable resolutions below 1080P@60Hz output
Video Processing Features	Deinterlacing, 3D noise reduction, image detail adjustment
Automatic Functions	Input signal type recognition, intelligent switching
Adjustable Functions	Output resolution, image inversion
Input/Output Interface	DVI-I (adapters available for CVBS, YPbPr, VGA, DVI, HDMI)
Audio Transmission	3.5mm interface (synchronizes audio with video output)
Signal Processing	Special Signal Processing Improved compatibility and image enhancement
Operation Mode	Plug-and-play, simple operation for AV deployment
Applications	Video conferencing, digital signage, security AV projects
Dimensions (W × H × D)	140 mm × 43 mm × 155 mm
Certifications	CE, RoHS compliance

©2024 Macsys

Macsys reserve rights to introduce modifications without notice. Product images are for illustrative purposes only, the actual product may vary. Warranty policy applies as described on our website.