

## AVBrinX-SC30 | Universal Signal Converter 3G-SDI to HSDA



### Key features

- Converts 3G-SDI signals to CVBS, YPbPr, VGA, DVI, HDMI
- Outputs via DVI-I, with adapters for VGA, YPbPr, and CVBS
- Analog audio output via 3.5mm interface
- Special Signal processing for improved compatibility and image quality
- Supports deinterlacing and 3D noise reduction
- Adjustable image detail and output resolution
- Automatic recognition of input signal type
- Image inversion supported

### Product Overview

The Macsys AVBrinX-SC30 is a versatile and high-performance universal signal converter designed to seamlessly transform 3G-SDI input signals into multiple output formats including CVBS, YPbPr, VGA, DVI, and HDMI. Equipped with a DVI-I interface for device output, the converter also provides VGA, YPbPr, and CVBS outputs through dedicated adapters and supports analog audio via a 3.5mm interface. Leveraging patented signal conversion technology, the AVBrinX-SC30 ensures superior image quality with features like deinterlacing, 3D noise reduction, and adjustable image detail. The device intelligently recognizes input signals for automatic conversion, supports output resolution adjustment, and advanced functions like image inversion. Its simple operation makes it ideal for a variety of applications, including broadcast television, video conferencing, notice systems, and security monitoring.

Technical Specification

| Feature           | Details                                                                     |
|-------------------|-----------------------------------------------------------------------------|
| Input             | 3G-SDI signal (supports SDI, HD-SDI, 3G-SDI)                                |
| Output            | CVBS, YPbPr, VGA, DVI, HDMI                                                 |
| Protocol          | HDMI 1.3a, DVI 1.0, HDCP 1.3                                                |
| Color Space       | RGB444, YUV444, YUV422, x.v.Color extended color gamut                      |
| Resolution        | Up to 26 selectable resolutions below 1080P@60Hz output                     |
| Audio Output      | Analog via 3.5mm interface                                                  |
| Signal Processing | Deinterlacing, 3D noise reduction, image detail adjustment, image inversion |
| Input Interface   | BNC (1 channel SDI input + 1 loop output)                                   |
| Size (mm)         | 140 × 43 × 155 (W × H × D)                                                  |
| Certifications    | CE, RoHS compliance                                                         |



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