Datasheet

AVBrinX-SC40 |UHD 5x1 HDMI Converter with HDMI, VGA, Audio



Key features

- Supports up to 4K@60Hz 4:4:4 ultra-high-definition input and output for crystal-clear visuals.
- Compatible with 4 HDMI inputs plus 1 VGA/CVBS/YPbPr input for versatile signal sources.
- Supports audio embedding and de-embedding to maintain seamless audio-video synchronization.
- Offers pure hardware design ensuring stable, plug-and-play operation suitable for 24/7 usage.
- Includes both button control and infrared remote control for flexible user operation.
- Supports multiple color spaces including RGB444 and YUV for accurate color reproduction.
- VGA, CVBS, and YPbPr signals are converted to HDMI output, unifying output port standards.
- Low power consumption (≤10W) and wide operating/storage temperature range ensure reliability.
- Compact form factor (142x44x154 mm) for easy integration into AV racks and setups.

Product Overview

The Macsys AVBrinX-SC40 UHD 5x1 HDMI Converter is a robust multimedia signal management device designed for professional video conferencing and multimedia broadcasting applications. Supporting ultra-high-definition 4K@60Hz 4:4:4 resolution, this converter handles multiple input formats including HDMI, VGA, and audio signals, delivering pristine video output through HDMI with flawless audio embedding and de-embedding capabilities. Engineered for continuous 24/7 operation, the Macsys AVBrinX-SC40 features pure hardware design for high stability and efficiency without latency. The device integrates user-friendly control options with button and infrared remote control, making it the ideal solution for audiovisual system integrations requiring versatile input switching and top-tier signal quality. Its compact size, low power consumption, and wide operating temperature range make it perfect for demanding environments in corporate, government, and broadcast settings.

Technical Specification

Feature	Details
Input Interfaces	4 × HDMI, 1 × VGA/CVBS/YPbPr, 1 × Audio
Output Interfaces	1 × HDMI, 1 × Audio
Supported Signals	VGA / CVBS / YPbPr converted to HDMI output
Color Space	Supports RGB 4:4:4, YUV and other color spaces
Audio Functions	Supports audio embedding and de-embedding
Control Options	Supports key (front-panel) switching and infrared remote control switching
Protocols Supported	HDMI 2.0, USB 2.0 protocol
Maximum Resolution	4K @ 60Hz 4:4:4 ultra-high definition
Operation Mode	Pure hardware design, plug-and-play, 24×7 stable operation
Power Supply	DC 5V / 2A
Power Consumption	≤10 W
Operating Temperature	-10°C to +50°C
Storage Temperature	-25°C to +55°C
Dimensions (W×H×D)	142 × 44 × 154 mm
Certifications	CE, RoHS compliance

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