

MIO-SDI-HDMI/DVI

SD SDI to HDMI/DVI Converter with Video/Audio processor and alarm



Description

MIO-SDI-HDMI/DVI is a miniature high quality video/audio interface converting SD-SDI signal to digital RGB (HDMI/DVI-D) for LCD or PDP. Not only is it a video and audio monitor it is also a video and audio quality survey and alarm indicator. It supports 4:3, 16:9 and full screen output mode. The signal's UMD, Tally and VU indicator position can be set freely. It fully supports WEBSEVER and SNMP protocol, by which configuration and operation can be done conveniently. It is a cost-effective device for constructing video/audio monitoring or display system.

Application



Ordering Information

Model	Description
MIO-HSDSI-HDMI	HD-SDI/SDI to HDMI converter
MIO-HDMI-HSDSI	HDMI to HD/SD-SDI converter
MIO--HDMI/DVI-HSDSI	HDMI/DVI to HD/SD-SD converter
MIO--HSDSI -HDMI/DVI	HD/SD-SD to HDMI/DVI converter
MIO-DVI/HDMI-SDI	DVI/HDMI to SDI video converter
MIO-SDI-DVI/HDMI	SDI to DVI/HDMI video converter
VIO9040-HDMI-HD	DVI/HDMI to HD/SD-SDI converter
VIO9040-MFC-X	Universal video processor/cross convertor

Key Features

- ▶ Advanced video de-interlacing processing
- ▶ Video and audio signal auto survey by programmable threshold.
- ▶ Flexible alarm indicators, such as video/audio lost, frozen, black video, EDH error, mute
- ▶ Programmable UMD characters
- ▶ Four channel VU meters indication
- ▶ Tally signal support
- ▶ Built-in Web server and SNMP protocol.
- ▶ 4:3,16:9 and full screen display modes support
- ▶ Apple HD Cinema Display compatible
- ▶ HDMI V1.3 compatible
- ▶ Dolby 5.1 compatible
- ▶ CEA timing standards compatible

Specifications

Video Input

Format: SD: 576i50, 480i59.94
Connector: 1* BNC 75 ohms

Video Output

Resolution:
800x600x75p 1024x768x60p
1280x768x60p 1280x720x60p
1366x768x60p 1920x1080x50p
1920x1080x60p

Connector: HDMI, Type A

Format: Compliant to EIA/CEA-861-B

External Control

1 x RJ45, 10/100M adaptive

Dimension 120x98x27mm

Power 12 V

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Web Control Software

The screenshot shows the MIO-DVI web control software interface. It features a top navigation bar with 'System', 'User', 'Network', 'Help', and 'Exit' menus. The main content area is divided into several sections:

- Input/output video setting control panel:** Includes dropdowns for 'Input Source' (External Signal), 'Output Resolution' (1280x768x60p), 'De-interlacing Filter Setting' (Three fields filtered and), 'Aspect Ratio' (4.3), and 'Input Resolution' (720x480x60i).
- Detection threshold control panel:** Includes settings for 'Frozen Pixel Percentage in a frame' (80%), 'Duration(ms)' (1000), 'Black Pixel Percentage in a frame' (75%), 'Duration(ms)' (1000), and 'Audio Mute Sampling Rate' (95%).
- Audio VU meters overlay position control panel:** Includes 'Position of Audio Meters' with coordinates for 'Top Coordinates of left Audio Meter' (X: 8, Y: 10) and 'Top Coordinates of Right Audio Meter' (X: 780, Y: 10).
- More setting information:** Includes 'Upload Text for UMD' with fields for 'Content', 'Size' (300), 'Font' (Arial Black), and 'Color'. It also has an 'Effect Preview' window and an 'Upload' button.
- UMD characters control panel:** Includes 'Upload Picture for UMD' with a 'Browse' button and an 'Upload' button.
- UMD background control panel:** Includes 'Tally Display Setting' with a 'Tally Display' checkbox.
- Tally control panel:** Includes 'Configuration Template' with buttons for 'NO.1', 'NO.2', and 'NO.3'.
- Custom template:** A label pointing to the 'Configuration Template' section.

At the bottom right, the version information '3.4.10-9-2008 MIO-HDSDI-HDMI/DVI' is displayed.

Flexible display mode

The image shows three examples of flexible display modes for the MIO-DVI converter, each displaying a video of the Tower Bridge at night. The modes are:

- 4:3 display mode:** Shows the video in a 4:3 aspect ratio. It features '4 CH audio VU meters' on the left and right sides and a 'Custom UMD' at the bottom.
- 16:9 display mode:** Shows the video in a 16:9 aspect ratio. It features 'Video alarm inductor' on the left and 'Audio alarm inductor' on the right.
- Full screen display mode:** Shows the video in full screen.

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