

# MIO-HDMI/DVI-SDI

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



## Description

The MIO-HDMI/DVI-SDI is a miniature high quality video converter which converts the HDMI/DVI-D signal into the SD-SDI signal. It is very useful in studios and TV stations where you usually need to use signals from the PC display adapter for broadcasting or editing on non-linear workstations.

Not only is it a signal converter, but 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 the WEBSERVER and the SNMP protocols, so configurations and operations can be done conveniently.

## Application



## Ordering Information

Model	Description
MIO-HDSDI-HDMI	HD-SDI/SDI to HDMI converter
MIO-HDMI-HDSDI	HDMI to HD/SD-SDI converter
MIO--HDMI/DVI-HDSDI	HDMI/DVI to HD/SD-SD converter
MIO--HDSDI -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
- ▶ HDMI V1.3 compatible
- ▶ Dolby 5.1 compatible

## Specifications

**Dimension** 120x98x27mm

**Power** 12 V

### Video Input

Resolution:

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

Connector: HDMI, Type A

Format: Compliant to EIA/CEA-861-B

### Video Output

Format: SD: 576i50, 480i59.94

SMPTE 259M: 270Mbit/S

Connector: BNC, 75ohms

### External Control

1 x RJ45, 10M/100M adaptive

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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 'Detection Threshold' (set to 80%), 'Frozen Pixel Percentage in a frame' (80%), 'Duration(ms)' (1000), 'Black Pixel Percentage in a frame' (75%), and 'Audio Mute Sampling Rate' (95%).
- Audio VU meters overlay position control panel:** Includes 'Position of Audio Meters' with coordinates for the left and right audio meters (X: 8, Y: 10 and X: 780, Y: 10).
- More setting information:** Includes 'Upload Text for UMD' with 'Content', 'Size' (300), 'Font' (Arial Black), and 'Color' options, along with an 'Effect Preview' and 'Upload' button.
- UMD characters control panel:** Includes 'Upload Picture for UMD' with a 'Browse' button and '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 buttons.

At the bottom right of the interface, the version number '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 with a 'MOVIE CHANNEL' overlay at the bottom. The overlay includes a 'Custom UMD' and '4 CH audio VU meters' on the sides.

- 4:3 display mode:** The video is displayed in a 4:3 aspect ratio, with the 'MOVIE CHANNEL' overlay and '4 CH audio VU meters' visible.
- 16:9 display mode:** The video is displayed in a 16:9 aspect ratio, with the 'MOVIE CHANNEL' overlay and '4 CH audio VU meters' visible. A 'Video alarm inductor' is also present.
- Full screen display mode:** The video is displayed in full screen, with the 'MOVIE CHANNEL' overlay and '4 CH audio VU meters' visible. An 'Audio alarm inductor' is also present.