

### Description

MIO-HDSDI-HDMI/DVI is a miniature high quality video/audio converter, which converts an HD/SD video signal to a digital RGB (HDMI/DVI-D) video 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 modes. The signal's UMD, Tally and VU indicator positions can be set freely. It fully supports the WEBSERVER and SNMP protocols, by which configuration and operation can be done conveniently. It is a cost-effective device for constructing video/audio monitoring or display systems.

### 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

- ▶ Fully support 1080P
- ▶ SD-SDI and HD-SDI auto sensing
- ▶ Embedded audio support
- ▶ 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 compliant

### Specifications

#### Video Input

Format: SD: 576i50, 480i59.94  
 HD: SMPTE 274M: 1080i59.94/50  
 1080P29.97/25/23.98  
 SMPTE 296M: 720p59.94/50  
 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, 10M/100M Adaptive

Dimension 120x98x27mm

Power 12 V

# MIO-HDSDI-HDMI/DVI

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



## Web Control Software

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

- Input/output video setting control panel:** Includes '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 '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%), 'Duration(ms)' (1000).
- Audio VU meters overlay position control panel:** Includes 'Position of Audio Meters' with coordinates for 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'.
- UMD characters control panel:** Includes an 'Effect Preview' and an 'Upload' button.
- UMD background control panel:** Includes 'Upload Picture for UMD' with 'Browse' and 'Upload' buttons.
- Tally control panel:** Includes 'Tally Display Setting' with a 'Tally Display' checkbox.
- Custom template:** Includes 'Configuration Template' with buttons for 'NO.1', 'NO.2', and 'NO.3'.

At the bottom right, 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:

- 4:3 display mode:** Shows a 4:3 aspect ratio video frame with a 'CUSTOM UMD' overlay at the bottom. Callouts include '4 CH audio VU meters' on the left and right sides and 'Video alarm indicator' at the bottom.
- 16:9 display mode:** Shows a 16:9 aspect ratio video frame with a 'CUSTOM UMD' overlay at the bottom. Callouts include '4 CH audio VU meters' on the left and right sides and 'Video alarm indicator' at the bottom.
- Full screen display mode:** Shows the video frame filling the entire screen. Callouts include '4 CH audio VU meters' on the left and right sides and 'Audio alarm indicator' at the bottom.