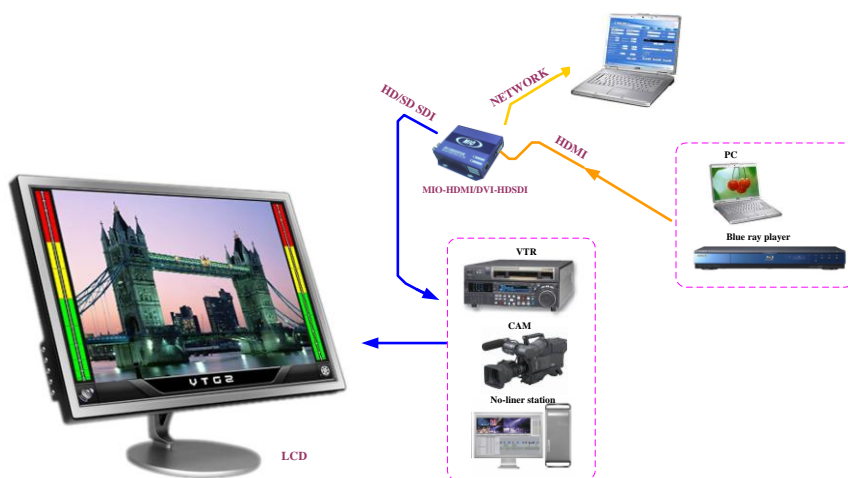


Description

MIO-HDMI/DVI-HDSDI is a miniature high quality video converter, which converts an HDMI/DVI-D signal into an HD/SD-SDI video. 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, it is also a video and audio quality survey and alarm indicator. It supports 4:3, 16:9 and full screen display mode. The signal's UMD, Tally and VU indicator position can be configured freely. It fully supports WEBSERVER and SNMP protocols, by which configuration and operation 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

- ▶ Support 1080P
- ▶ 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

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
HD: SMPTE 274M:	1080i59.94/50
	1080P29.97/25/23.98
	SMPTE 296M: 720p59.94/50
Connector: 1* BNC	75 ohms


External Control

1 x RJ45, 10M/100M adaptive

Dimension 120x98x27mm

Power 12 V

Web Control Software

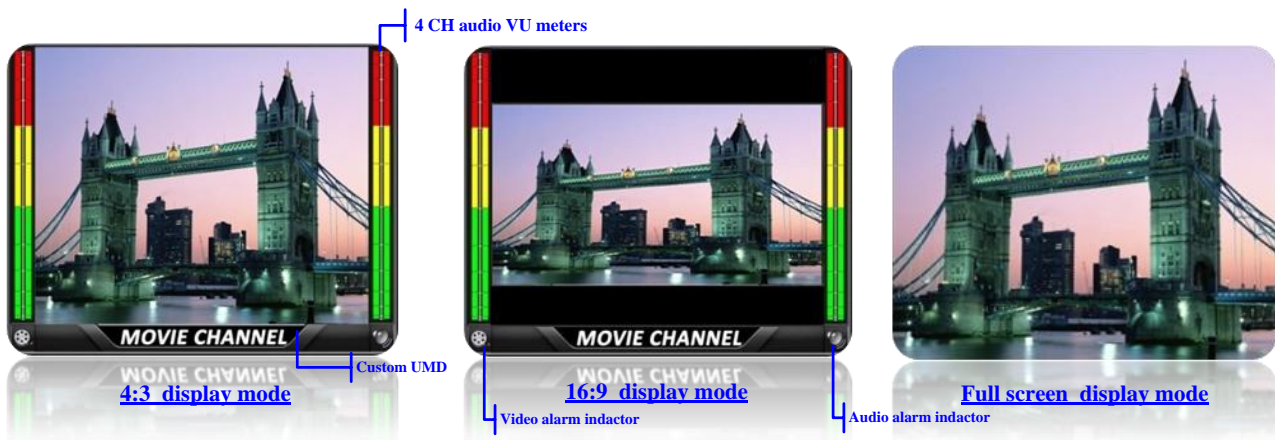


The screenshot shows the MIO-DVI web control software interface. It features a top navigation bar with 'System', 'User', 'Network', 'Help', and 'Exit' menus. The main content area is divided into several sections:

- Input/output video setting control panel:** Includes '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%).
- Audio VU meters overlay position control panel:** Includes 'Position of Audio Meters' with '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 '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 a 'Browse' button and an 'Upload' button.
- 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 information '3.4.10-9-2008 MIO-HDSDI/HDMI | DVI' is displayed.

Flexible display mode



The image shows three different display modes for the video output:

- 4:3 display mode:** Shows a video frame with a 'CUSTOM UMD' overlay at the bottom. It features '4 CH audio VU meters' on the left and right sides.
- 16:9 display mode:** Shows a video frame with a 'CUSTOM UMD' overlay at the bottom. It features a 'Video alarm indicator' on the left and an 'Audio alarm indicator' on the right.
- Full screen display mode:** Shows a video frame without any overlays.