

HTH-1

not just a converter ...

HTH-1 enables professional monitoring functionality for every part of your facility using economical high definition consumer level displays

Monitor Enhancement Module

- ▶ Uncompromised quality, full HDTV Audio/Video on HDMI interface
- ▶ Format auto detect: 1920x1080i, 1280x720p, 720x576i, 720x480i
- ▶ Two SDI active equalized loop through outputs
- ▶ 50Hz, 59.94Hz and 60Hz supported
- ▶ On-screen display information



- ▶ Full 1920 x 1080i resolution - 10bit precision on HDMI devices
- ▶ Transparent adaptation of SMPTE HD-SDI and SD-SDI to HDMI
- ▶ RGB, YCrCb 4:4:4 and 4:2:2 color space conversion selectable
- ▶ ATC (Ancillary Time Code) Reader and Display
- ▶ Safe Area generator as per SMPTE RP-218
- ▶ Audio VU meters for audio presence monitoring and levels check

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Monitor Enhancement Module



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HTH-1 is not just a converter, it features useful engineering tools as on-screen display with audio levels VU meter, internal test signal generator and audio tone, ATC (Ancillary time code) reader and display, Safe Area generator for action and titles, HV delay, Blue only, power-on timer with signal lost counter, monitor ID display.

HTH-1 converts HD-SDI or SD-SDI to HDMI for driving HDMI monitors and display with uncompromised quality. Embedded SDI audio is decoded and routed to the HDMI output allowing a convenient single cable audio/video connection with transparent adaptation of SMPTE HD-SDI and SD-SDI standards to HDMI.

HTH-1 provides a double active looping SDI output useful for connecting additional equipment in "daisy chain" to the same SDI source.

► Video

Video Input:

1 x BNC 75 Ohm

Video Outputs:

2 x BNC 75 Ohm active equalized outputs

Main Output:

1 x HDMI type A as per HDMI specs. 1.1

HDTV Standards:

SMPTE 274M 1080@50i, 1080@59.94i, 1080@60i,
SMTE 296M 720@59.94p, 720@60p

SDTV Standards:

ITU-R BT.601 625@50i (PAL)
SMPTE 125M 525@59.94i (NTSC)

► Audio

Input:

SDI Embedded (SMPTE 272MA/299 group #1,
ch 1/2 or 3/4 selectable)

Output:

HDMI with embedded audio
1 x 3.5 mm earphone jack

► TimeCode

Input:

SDI ATC Embedded (SMPTE 291 RP-188)

► General

HDCP:

HTH-1 does not encode the HDMI output with HDCP encryption. SDI input to the HTH-1 is unencrypted. The HDMI specification requires HDMI monitors to support unencrypted inputs

Dimensions:

140(d) x 85(w) x 25(h)mm

Power:

12V DC (acceptable 8V to 16V) 2.5 W
external auto switch power supply included

Operating temperature:

0°C to 45°C

Weight:

Gr. 400 approx