

BrightEye 72

3G / HD / SD SDI to HDMI Converter

This video converter goes above and beyond - it displays open captions, time code and audio presence. Combine BrightEye 72 with any HDMI monitor for high-end display applications in broadcast and post. BrightEye 72 accepts an SD, 1.5 Gb/s HD or 3 Gb/s HD SDI digital signal and outputs HDMI.

Front panel controls include: complete proc amp, built-in test signals for use in aligning the monitor, graticule, H/V pulse delay, on screen audio VU meters, timecode burn in and open caption decoding.

BrightEye 72 provides open caption decoding for monitoring caption data using any HDMI video monitor. 708 caption data is decoded and displayed on-screen. When 708 is not present, 608 captions are displayed. Alternately, you can select between 608 or 708 from the user interface.

Audio presence is reported and on-screen VU meters show all 16 audio channels.

Horizontal and vertical split modes provide an easy way to see data in the vertical and horizontal intervals, including audio and closed caption data blocks. The internal test pattern includes pluge which is needed for monitor alignment. Graticule can be turned on for title alignment.

Use BrightEye 72 in studio applications where you need to adjust the color temperature of on-set monitors so they look right on-camera.

For facilities using 3G, the issue of monitoring the signal becomes a challenge. The BrightEye 72 provides a convenient way to monitor any type of digital video signal.



- ▶ Use with HD or SD Monitors, VTRs and Projectors
- ▶ HDMI Output - monitor any digital feed, even 3G
- ▶ Use in the Field for Confidence Monitoring
- ▶ Use in Post with 4:4:4 Material
- ▶ Use with HD or SD SDI signals
- ▶ 3G HD, Level A or Level B supported
- ▶ Open caption decoding for monitoring 608 and 708 closed caption data
- ▶ Display signal input status
- ▶ On-screen Controls
- ▶ Timecode burn in
- ▶ Analog Audio Outputs

► Specifications

Serial Digital Input

Number	One
Type	1.485 Gb/s HD Serial Digital (SMPTE 274M, 292M or 296M) 2.97 Gb/s HD Serial Digital (SMPTE 424M, 425M) SD Serial Digital (270 Mb/s SMPTE 259M-C) 75 Ω
Impedance	>15 dB to 2.97 GHz
Return Loss	300 meters for 270 Mb/s 100 meters for 1.485 Gb/s 70 meters for 2.97 Gb/s (Belden 1694A)
Max Cable Length	

Automatic Input Cable Equalization

SDI Standards Supported

1080i (SMPTE 274M -4,5,6) 50, 59.94 or 60 Hz
720p (SMPTE 296M -1,2,3) 50, 59.94 or 60 Hz
1080p (SMPTE 274M -9,10,11) 23.98, 24, 25 Hz
1080sF (RP211 -14,15,16) 23.98, 24, 25 Hz
3 Gb/s Level A or Level B (SMPTE 424M, 425M)
525i, 625i (SMPTE 259M)

HDMI Output

Number	One
Type	HDMI 1.3
Format	Follows input

Serial Digital Output

Number	One, loopback
Type	Follows input
Impedance	75 Ω
Return Loss	>15 dB to 2.97 GHz
Max Cable Length	300 meters for 270 Mb/s 100 meters for 1.485 Gb/s 70 meters for 2.97 Gb/s (Belden 1694A)

Analog Audio Output

Number	One stereo pair
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General Specifications

Size	5.625" W x 0.8" H x 5.5" D (143 mm x 20 mm x 140 mm) including connectors
Power	12 volts, 7 watts (100-230 VAC modular power supply not included)
Temperature Range	0 to 40° C ambient
Relative Humidity	0 to 95%, non-condensing

