



Davio™ is a versatile solution for your video signal processing needs in a single cost effective platform. Inside the Davio hardware is a programmable display processing architecture designed with the power needed for 3Gb/s SDI and HDMI 1.3 image data. The Davio hardware is coupled with the Davio software library creating solutions that meet the most basic to the most complex video processing needs for production, post production, distribution and exhibition.

Innovative Versatility

Davio is an innovative approach to the constant change and expansion of video processing needs. The Davio software library provides a diverse set of image processing tools that expand and adapt with changes in workflow, colorspace and image monitoring.

Expanding Software Library

The Davio software library provides tools for:

- Display calibration & emulation
- Color pipeline management
- 3D stereo processing
- Still Store
- Frame markers, graticules and cages

Future Davio software library development includes tools for:

- Image comparison
- Test signal generator
- HD to SD conversion
- Frame rate conversion
- Format conversion
- Metadata encode / decode
- Video and audio delay
- Bug inserter
- Monitoring EDID toolkit

* Davio libraries are constantly expanding. Please check the Cine-tal web site or a Cine-tal reseller for currently available libraries.

Applications:

- Production, Post Production, DI, Color Grading, Visual Effects
- Display calibration
- Color gamut mapping and output display emulation
- Color pre-visualization on digital dailies
- Edit suite monitoring
- 2K film resolution monitoring
- Telecine display processing
- Video assist on location
- Wide color gamut processing for HDMI 1.3 xvYcc colorspace

How does it work?

Davio library packages are managed with a software application running on a Windows or Mac personal computer. Library packages are loaded into the Davio hardware through a USB connection, network connection or with a Compact Flash Card. Library packages also contain user options or controls that can be configured prior to loading the hardware. Users can create multiple CF cards with different library functions loaded on them and change the function of Davio as needed. This makes it possible to re-configure the function of Davio easily as you transition from stage to stage in a workflow environment.

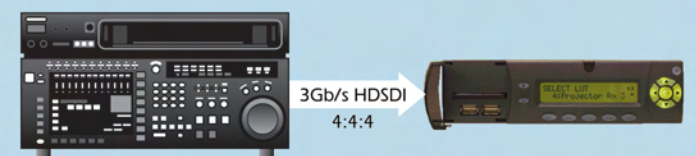


Supports both DVI-D and HDMI 1.3

Davio supports DVI-D based digital computer displays and HDMI video support for devices supporting HDMI 1.3. Use Davio as the ultimate bridge between professional equipment and consumer devices or computer graphics cards.



Davio offers two full HDSDI 4:4:4 3Gb/s inputs that supports both standard definition SDI, HD-SDI, HD-SDI 4:4:4 Dual Link (two cables at 1.5Gb/s) and HDSDI 4:4:4 at 3Gb/s (single cable).



Davio is the ideal solution for HDSDI 4:4:4 RGB and 2K film monitoring. 3Gb/s SDI provides full resolution 2K feature film quality 2048 x 1080 video to be connected via SDI

SPECIFICATIONS

SIGNAL FORMATS: 486i / 59.94 576i / 50 720p / 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz 1080sF / 23.98, 24, 25, 29.97, 30Hz 1080i / 50, 59.94, 60 Hz 1080p / 23.98, 24, 25, 29.97, 30Hz Dual-link 1080sF / 23.98, 24, 25, 29.97, 30Hz 1080i / 50, 59.94, 60 Hz 1080p / 23.98, 24, 25, 29.97, 30Hz 2K 2048x1080 / 23.98p, 24p, 23.98sF, 24sF DVI-D Formats 1920x1200/60p* 1920x1200/24-52p 1920x1080/60p* HDMI Formats 1080i / 50, 59.94, 60 Hz. 1080p / 23.98, 24, 25, 29.97, 30 Hz. 720p / 23.98, 24, 25, 29.97, 30, 50, 59.94, 60 Hz 486i / 59.94 576i / 50	ITU-R BT.656.4	VIDEO INPUTS: 2-3Gb/s SDI or 1 Dual Link SDI 1-DVI-D / HDMI 1.3
	SMPTE 296M	VIDEO OUTPUTS: 2-3Gb/s SDI or 1 Dual Link SDI 1-DVI-D / HDMI 1.3
	SMPTE 274M	3D STEREO PROCESSING: DLP Mesh (L/R alternate pixels 1080/60p on DVI output) KORD (L/R alternate lines - all modes) top/bottom, side by side and anaglyphic
	SMPTE, 372M	SERIAL: 4- USB 2.0
		NETWORK: Gigabit Ethernet - IEEE 802.1p, 802.1Q, 802.3, 802.3ab, 802.3U, 802.3x,
		GENERAL: Power: 100-240v AC 50/60 Hz; 30W Weight: 4 lbs Dimensions (WxHxD) : 9 x 2 x 6 inches Operating Temperature 0-40 C
		CERTIFICATIONS: FCC Class A, CE

All specifications are subject to change.

Cine-tal products are backed with a comprehensive hardware and software warranty that includes:

- Technical phone support 9AM - 8PM ET Mon-Sat
- A comprehensive product support web site
- Extended Warranty & Maintenance Agreements

The Davio Software Libraries include the following:



Please see the full catalog of libraries at www.cine-tal.com

Production Software Package includes: (see full library for more information)

**Input LUTs,
Tandem Dual 3D
Luts, Cages, and
Output Routing
516-LIB-1720**

Description:
Input LUTs for log/lin conversion. Input routing selects any input to be routed to the 3D LUT. Two 3D LUT processors are combined to a single output, allowing for writing LUTs to one while viewing the output of the other uninterrupted. Used for review of sequences of LUT. Independent overlays for each output.

3D Stereo Processing Software Package includes: (see full library for more information)

**Butterfly 3D
Stereoscopic Image
Combiner/ Separator
3D LUT
Dual Framestore
1D LUTs
516-LIB-1240**

Description:
Butterfly with flexible routing. Optionally separates top/bottom. Combines 1 of: pixel mesh, line mesh, frame toggle, side-by-side, anaglyphic. Output routing is flexible for all outputs (SDI 1, SDI 2, HDMI).

Post Production Software Package includes: (see full library for more information)

**Input 1D LUTs
Dual 3D LUTs
Output Mixer
Output Color
Space Convertors
Output Display
Calibration LUT
516-LIB-1140**

Description:
1D input LUT for Log/Lin conversions. 3D LUT is 8-65 points. Output Mixer allows each output to select source or h/v wipe between two sources. Colorspace converts to YCbCr, RGB Dual-link, RGB 3G, P3YCbCr, or xvYcc. Output LUTs for display calibration.

All specifications are subject to change.