

Introduction

The Datavideo TLM-702HD is a 19" rack mountable dual 7" TFT Monitor. The all metal construction makes the TLM-702HD robust and durable, and the 12V DC power requirements make it easy to power in the field. The high resolution TFT screens have a wide viewing angle and feature NTSC / PAL auto detection.

Features

- 2 x 7" 16:9 Wide Screen Panels
- Resolution: 800 x 480 dots
- View Angle (V)+60/-40°, (H)+60/-60°
- HD/SD-SDI, YUV, HD-YUV, HDMI & CV Input
- Internal colour bar
- Blue only function
- Embedded Audio indicator for SDI, HDMI signals
- Safe Area indicator
- VITC time code display
- Dual colour tally light indicator
- Brightness, Contrast, Colour, Tint Adjustable
- Colour Temp* Adjustable
- Audio Level indicators
- NTSC / PAL Auto Switching
- 4:3 / 15:9 / 16:9 switchable

* **Colour Temp** can be set to 9300, 7500, 6500, 5400 or User RGB values

Supported Formats

• HDMI YUV

- 720 x 576i x 50 Hz
- 720 x 480i x 60 Hz
- 1280 x 720p x 50 Hz
- 1280 x 720p x 60 Hz
- 1920 x 1080i x 50 Hz
- 1920 x 1080i x 60 Hz

• HDMI RGB

- 720 x 576i x 50 Hz
- 720 x 480i x 60 Hz
- 1280 x 720p x 50 Hz
- 1280 x 720p x 60 Hz
- 1920 x 1080i x 50 Hz
- 1920 x 1080i x 60 Hz

• SDI

- 720 x 576i / 50 Hz
- 720 x 480i / 60 Hz
- 1280 x 720p / 60 Hz
- 1280 x 720p / 50 Hz
- 1920 x 1080i / 50 Hz
- 1920 x 1080i / 60 Hz

• YUV

- 720 x 576i x 50 Hz
- 720 x 480i x 60 Hz
- 1280 x 720p x 50 Hz
- 1280 x 720p x 60 Hz
- 1920 x 1080i x 50 Hz
- 1920 x 1080i x 60 Hz

• CV

- 720 x 576i (PAL)
- 720 x 480i (NTSC)

Calibrating Datavideo Monitors

Perhaps the most important way to make sure that your video really looks as good as it can on other monitors is to monitor the video during production with a properly calibrated monitor.

For guidance on how to calibrate a Datavideo Monitor using SMPTE colour bars please visit our website <http://www.datavideo.info/en/faq.php>

Specifications

Interface	2x HD/SD-SDI input (SMPTE 272M-C 1.5Gbps, 270Mbps with Embedded Audio) 2x Component Y.U.V Sony Betacam Specification 2x CV input 2x HDMI input 2x D-Sub 15 Pin Plug (Tally Light Signal)
HD/SD-SDI Spec	SDI/HD-SDI Specifications Standard SMPTE 259M-C (270Mbps - 525/625 Component Video) and SMPTE 292M (1.485/1.001 Gbps) Connector BNC (IEC 169-8) Impedance 75 Ω Return Loss HD > 15 dB (5 MHz to 750 MHz) > 10 dB (750 MHz to 1.5 GHz) SD > 15 dB (5 MHz to 270 MHz) Equalization 200 m Belden 8281 cable at 270 Mbps; 100 m (typical) of Belden 1694A at 1.485 Gbps
CV Spec	Bandwidth: > 5.0MHz Differential of Gain (DG) < 3% Differential of Phase (DP) < 3° S/N: > 50 dB
YUV Spec	Bandwidth: > 5.2MHz Differential of Gain (DG) < 3% S/N: > 50 dB
HDMI	Supports HDMI 1.1
Operating Temperature	0°C to 40°C (32°F to 102°F)
Humidity	10% to 90% (non condensing)
Dimension & Weight	485mm (W) x 135mm (H) x 75mm (D) / 2.2Kgs
Power	DC 12V / 2A