

7" TFT LCD Monitor

TLM-700HD



Quick Start Guide

Table of Contents

Warnings and Precautions	2
What's in the Box.....	4
Introduction.....	4
Features	4
Connections & Control	5
Front Panel.....	5
Rear Panel	7
Menu Options	8
Support Format.....	11
Specification	12
Service & Support.....	13

Warnings and Precautions

1. Read all of these warnings and save them for later reference.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit in or near water.
5. Do not place this unit on an unstable cart, stand, or table. The unit may fall, causing serious damage.
6. Slots and openings on the cabinet top, back, and bottom are provided for ventilation. To ensure safe and reliable operation of this unit, and to protect it from overheating, do not block or cover these openings. Do not place this unit on a bed, sofa, rug, or similar surface, as the ventilation openings on the bottom of the cabinet will be blocked. This unit should never be placed near or over a heat register or radiator. This unit should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should only be operated from the type of power source indicated on the marking label of the AC adapter. If you are not sure of the type of power available, consult your Datavideo dealer or your local power company.
8. Do not allow anything to rest on the power cord. Do not locate this unit where the power cord will be walked on, rolled over, or otherwise stressed.
9. If an extension cord must be used with this unit, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord's rating.

10. Make sure that the total amperes of all the units that are plugged into a single wall outlet do not exceed 15 amperes.
11. Never push objects of any kind into this unit through the cabinet ventilation slots, as they may touch dangerous voltage points or short out parts that could result in risk of fire or electric shock. Never spill liquid of any kind onto or into this unit.
12. Except as specifically explained elsewhere in this manual, do not attempt to service this product yourself. Opening or removing covers that are marked "Do Not Remove" may expose you to dangerous voltage points or other risks, and will void your warranty. Refer all service issues to qualified service personnel.
13. Unplug this product from the wall outlet and refer to qualified service personnel under the following conditions:
 - a. When the power cord is damaged or frayed;
 - b. When liquid has spilled into the unit;
 - c. When the product has been exposed to rain or water;
 - d. When the product does not operate normally under normal operating conditions. Adjust only those controls that are covered by the operating instructions in this manual; improper adjustment of other controls may result in damage to the unit and may often require extensive work by a qualified technician to restore the unit to normal operation;
 - e. When the product has been dropped or the cabinet has been damaged;
 - f. When the product exhibits a distinct change in performance, indicating a need for service.

What's in the box?

Items	Description	Q'ty
1	TLM-700HD	1
2	Sunshield	1
3	Switching Adaptor DC 12V/1.5A	1
4	User's Manual	1

Introduction

The Datavideo TLM-700HD is designed for outdoor field side for user; it can be dust-proof, drop-proof, sunshade and carry easy, TLM-700HD is a standard V-Mount enabling you to power the monitor using a universal battery from a range of manufacturers, perfect for use in the field.

Features

- 7" 16:9 Wide Screen Panel
- Resolution: RGB 800X480 dots
- Brightness, Contrast, Colour, Tint Adjustable (Tint NTSC only)
- NTSC/PAL Auto Switching
- 16:9 / 4:3 / 15:9 switchable
- Carry Case Included
- OSD Menu Control
- Support Blue Only
- Support Embedded Audio & Time Code
- Built in V-Mount kit

Connections & Control

Front Panel



Power Switch

Switches the power On / Off.



Stereo mini jack plug

For stereo headphones. The headphone volume is controlled by the Audio Level Adjustments.

N.B. Audio source from HDMI or SDI audio embedded audio.



Audio Level Adjustments

Allow you to adjust the headphones volume.



Source Button

Select Input source between SDI, YPbPr, CVBS, and HDMI.



Aspect Ratio Button

Sets the LCD aspect ratio to 15:9, 16:9 or 4:3



PATTERN

The PATTERN button can be generated a colour bar on screen. Press the PATTERN button again to return normally output.



BLUE

The BLUE button is set blue only enable, Press this button to eliminate the red and green component of input signals. Only the blue component of an input is displayed on the screen. This facilitates adjustments of chroma and phase. (Phase adjustment is effective only for NTSC signals).



MENU

Calls up the on-screen adjustment menu (See **Menu Options** for more details).



UP / DOWN

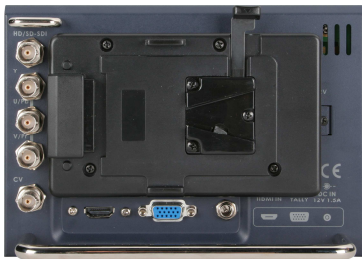
Navigate the on-screen menu and set the functions & levels.



ENTER

Confirms the new settings or return to the default state.

Rear Panel



HD/SD - SDI input
BNC connector for SDI Input.



YUV input
BNC connectors for analog (Component) video inputs.



Composite video input
BNC connectors for analog (Composite) video inputs.



HDMI in interface
HDMI digital signal input connector.
Support HDMI 1.1



Tally In
Send in red and yellow colour tally signal to tally LED. Red means on-air, yellow means standby.



DC in socket
Connect the supplied 12V 1.5A PSU to this socket. The connection can be secured by screwing the outer fastening ring of the DC In plug to the socket.

Menu Options

1. Picture

- Press the **MENU** button into the system **Picture** setting mode.
- Press **ENTER** button into the **Picture** setting position.
- Press **UP** / **DOWN** button moving to the **Brightness** setting.
- Press **ENTER** button into the **Brightness** setting position.
- Press **UP** / **DOWN** button to setting the **Brightness** values from 0~100
- Press **MENU** button return to the **Picture** setting menu.
- Press **SOURCE** button exit the setting mode.

N.B. To select a different setting (**Contrast, Saturation, Tint**) use the **UP** / **DOWN** buttons. Follow the same procedure to set the others values.

N.B. Brightness, Contrast and Saturation these three modes, the value all the same as 0~100.

2. Audio

- Press the **MENU** button two times into the **Audio** setting mode.
- Press **ENTER** button into the **Audio** setting position.
- Press **ENTER** button to setting the audio volume indicator ON/OFF display on the screen.
- Press **SOURCE** button exit the setting mode.

3. Func.

- Press the **MENU** button three times into the **Func.** setting mode.
- Press **ENTER** button into the **Func.** setting position.
- Press **UP** / **DOWN** button moving to the **Center Mark** setting.
- Press **ENTER** button to setting the center mark ON/OFF on the screen.
- Press **UP** / **DOWN** button moving to the **Safety Zone** setting.
- Press **ENTER** button to setting **Safety Zone** range (80, 90 or OFF).
- Press **UP** / **DOWN** button exit the setting mode.

N.B. To select a different setting (**4:3 Screen, Cinema Zone**) use the **UP** / **DOWN** buttons. Follow the same procedure to set the others status.

4. Setup

- Press the **MENU** button four times into the **Setup** setting mode.
- Press **ENTER** button into the **Setup** setting position.
- Press **UP** / **DOWN** button moving to the **OSD Timer** setting.
- Press **ENTER** button into the **OSD Timer** setting position.
- Press **UP** / **DOWN** button to select the OSD display on screen time (value from 5~60 SEC).
- Press **ENTER** button to setting the OSD display on screen time.
- Press **UP** / **DOWN** button moving to the **OSD Blending** setting.
- Press **ENTER** button into the **OSD Blending** setting position.
- Press **UP** / **DOWN** button to select the OSD blending display on screen (value from 0~7).
- Press **ENTER** button to setting the OSD blending display on screen
- Press **UP** / **DOWN** button moving to the **Timer Code** setting.
- Press **ENTER** button to setting the Time Code ON/OFF on the screen.
- Press **UP** / **DOWN** button moving to the **TC Position** setting.
- Press **ENTER** button to setting the Time Code Position on the screen (Left/Up, Middle/Down, Right/Down, Right/Up)
- Press **UP** / **DOWN** button moving to the **TC HD Line** setting.
- Press **ENTER** button to setting the time code for HD line (8~20).
- Press **UP** / **DOWN** button moving to the **TC SD Line** setting.
- Press **ENTER** button to setting the time code for SD line (10~21).
- Press **UP** / **DOWN** button moving to the **TC Font Size** setting.
- Press **ENTER** button to setting the time code font size on the screen (Large or Small).
- Press **MENU** button return to the **Setup** setting menu.
- Press **SOURCE** button exit the setting mode.

5. Advance

- Press the **MENU** button five times into the **Advance** setting mode.
- Press **ENTER** button into the **Advance** setting position.
- Press **UP** / **DOWN** button moving to the **LCD L/R Scan** setting.
- Press **ENTER** button, the LCD screen will reversed (Left to Right).
- Press **ENTER** button again, the LCD screen will return to normal.

- Press **UP** / **DOWN** button moving to the **LCD U/D Scan** setting.
- Press **ENTER** button, the LCD screen will reversed (Up to Down).
- Press **ENTER** button again, the LCD screen will return to normal.

- Press **UP** / **DOWN** button moving to the **Reset** setting.
- Press **ENTER** button which will return all the settings of the monitor to the factory defaults.

- Press **UP** / **DOWN** button moving to the **Version** setting.
- Press **ENTER** button, the version information will display on screen.
- Press **SOURCE** button exit the setting mode.

Support Format

• 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)

Specification

Interface	<p>1x HD/SD-SDI input (SMPTE 272M-C 1.5Gbps, 270Mbps with Embedded Audio)</p> <p>1x Component Y.U.V Sony Betacam Spec</p> <p>1x CV input</p> <p>1x HDMI input</p> <p>1x D-Sub 15 Pin Plug (Tally Light Signal)</p>
HD/SD-SDI Spec	<p>SDI/HD-SDI Specifications</p> <p>Standard SMPTE 259M-C (270Mbps - 525/625 Component Video) and SMPTE 292M (1.485/1.001 Gbps)</p> <p>Connector BNC (IEC 169-8)</p> <p>Impedance 75 Ω</p> <p>Return Loss HD > 15 dB (5 MHz to 750 MHz) > 10 dB (750 MHz to 1.5 GHz)</p> <p>SD > 15 dB (5 MHz to 270 MHz)</p> <p>Equalization 200 m Belden 8281 cable at 270 Mbps; 100 m (typical) of Belden 1694A at 1.485 Gbps</p>
CV Spec	<p>Bandwidth: > 5.0MHz</p> <p>Differential of Gain (DG) < 3%</p> <p>Differential of Phase (DP) < 3°</p> <p>S/N: > 50 dB</p>
YUV Spec	<p>Bandwidth: > 5.2MHz</p> <p>Differential of Gain (DG) < 3%</p> <p>S/N: > 50 dB</p>
HDMI	Support HDMI 1.1
Operating Temperature	0°C to 40°C (32°F to 102°F)
Humidity	10% to 90% (non condensing)
Dimension & Weight	187mm (W) x 132mm (H) x 72mm (D) / 1.2Kgs
Power	DC 12V / 1.5A

Service & Support

It is our goal to make your products ownership a satisfying experience. Our supporting staff is available to assist you in setting up and operating your system. Please refer to our web site www.datavideo-tek.com for answers to common questions, support requests or contact your local office below.

Datavideo Global Website: www.datavideo-tek.com

Datavideo Corporation

Tel: +1 562 696 2324	Fax: +1 562-698-6930	E-Mail: contactus@datavideo.us
----------------------	----------------------	--

Datavideo Technologies Europe BV

Tel: +31-30-261-96-56	Fax: +31-30 261-96-57	E-Mail: service@datavideo.nl
-----------------------	-----------------------	--

Datavideo UK Limited

Tel: +44 1457 851 000	Fax: +44 1457 850 964	E-Mail: sales@datavideo.co.uk
-----------------------	-----------------------	--

Datavideo Technologies Co., Ltd

Tel: +886 2 8227 2888	Fax: +886-2-8227-2777	E-mail: service@datavideo.com.tw
-----------------------	-----------------------	--

Datavideo Technologies China Co., Ltd

Tel: +86 21-5603 6599	Fax:+86 21-5603 6770	E-mail: service@datavideo.cn
-----------------------	----------------------	--

Datavideo Technologies (S) PTE LTD

Tel: +65-6749 6866	Fax: +65-6749 3266	E-mail: service@datavideo.sg
--------------------	--------------------	--

Datavideo HK Ltd

Tel: +852 2833 1981	Fax: +852-2833-9916	E-mail: info@datavideo.com.hk
---------------------	---------------------	--

All the trademarks are the properties of their respective owners.
Datavideo Technologies Co., Ltd. All rights reserved 2018

G082060476B2