datavideo

2 X 7" HD/SD TFT LCD MONITOR
TLM-702

Instruction Manual

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Disclaimer of Product & Services

The information offered in this instruction manual is intended as a guide only. At all times, Datavideo Technologies will try to give correct, complete and suitable information. However, Datavideo Technologies cannot exclude that some information in this manual, from time to time, may not be correct or may be incomplete. This manual may contain typing errors, omissions or incorrect information. Datavideo Technologies always recommend that you double check the information in this document for accuracy before making any purchase decision or using the product. Datavideo Technologies is not responsible for any omissions or errors, or for any subsequent loss or damage caused by using the information contained within this manual. Further advice on the content of this manual or on the product can be obtained by contacting your local Datavideo Office or dealer.

FCC Compliance Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

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 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.

# Warranty

Standard Warranty

- Datavideo equipment are guaranteed against any manufacturing defects for one year from the date of purchase.
- The original purchase invoice or other documentary evidence should be supplied at the time of any request for repair under warranty.
- The product warranty period beings on the purchase date. If the purchase date is unknown, the product warranty period begins on the thirtieth day after shipment from a Datavideo office.
- Damage caused by accident, misuse, unauthorized repairs, sand, grit or water is not covered under warranty.
- Viruses and malware infections on the computer systems are not covered under warranty.
- Any errors that are caused by unauthorized third-party software installations, which are not required by our computer systems, are not covered under warranty.
- All mail or transportation costs including insurance are at the expense of the owner.
- All other claims of any nature are not covered.
- Cables and batteries are not covered under warranty.
- Warranty only valid in the country or region of purchase.
- Your statutory rights are not affected.

Three Year Warranty

- All Datavideo products purchased after July 1st, 2017 are qualified for a free two years extension to the standard warranty, providing the product is registered with Datavideo within 30 days of purchase.
- Certain parts with limited lifetime expectancy such as LCD panels, DVD drives, Hard Drive, Solid State Drive, SD Card, USB Thumb Drive, Lighting, Camera module, PCIe Card are covered for 1 year.
- The three-year warranty must be registered on Datavideo's official website or with your local Datavideo office or one of its authorized distributors within 30 days of purchase.

Disposal
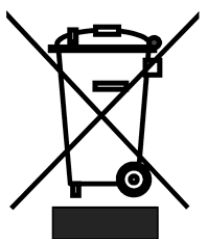
For EU Customers only - WEEE Marking

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

CE Marking is the symbol as shown on the left of this page. The letters "**CE**" are the abbreviation of French phrase "Conformité Européene" which literally means "European Conformity". The term initially used was "EC Mark" and it was officially replaced by "CE Marking" in the Directive 93/68/EEC in 1993. "CE Marking" is now used in all EU official documents.

Introduction

The Datavideo TLM-702 is a 19" rack mountable dual 7" TFT Monitor. It is an ideal accessory for the Datavideo SE 500 & SE 800 (with RMC-140 or RMC-90) Vision Mixers, or many other 19" rack mount applications.

The all-metal construction makes the TLM-702 robust and durable, and the 12V 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

- Each monitor has two composite video inputs with bypass outputs
- High resolution TFT Screens - 1440 x 234 dots
- Individual adjustments of Brightness, Contrast, Colour and Tint (Tint NTSC only) for each monitor
- Pivoting mount to enable the screens to be angled up or down
- Wide viewing angle - (Vertical) +40/-60 degree, (Horizontal) +60/-60 degree
- Switchable Aspect Ratio - 16:9 / 4:3 selectable
- 2 Colour Tally Light (Red and Amber)
- NTSC/PAL compatible (Automatic switching)

Functions - Front Panel
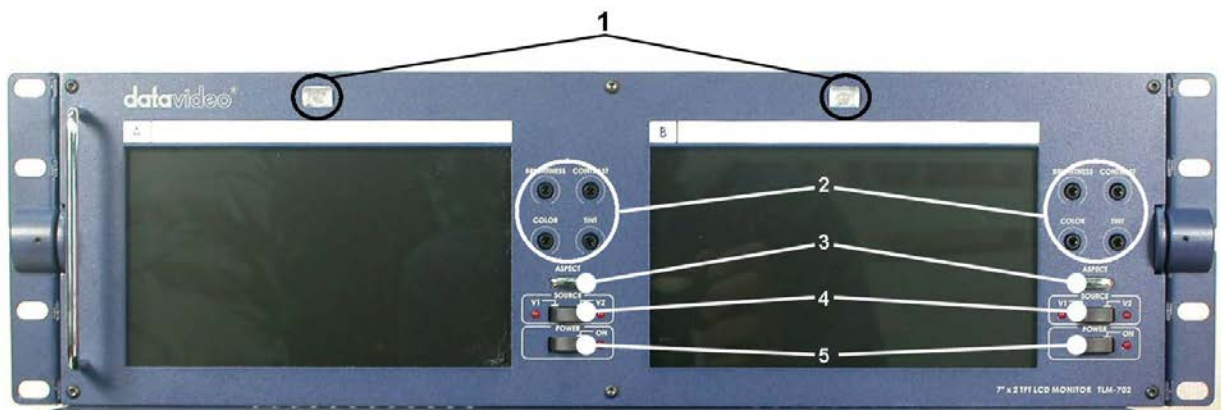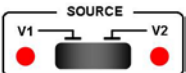
1.

Each monitor has a two colour tally light indicator which can be connected to the Datavideo RMC 140, SE500 or similar products. AMBER indicates Cued and RED indicates Live.
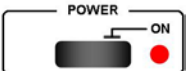
2.

Each Monitor has individual adjustments for Brightness, Contrast, Colour and Tint (Tint is for NTSC only).

These four adjustments can be adjusted with a X headed screwdriver.

It is recommended that you use a Test Pattern to adjust the monitors.

3.

The ASPECT button switches the aspect ratio from 16:9 and 4:3.

4.

Source select switches between video input 1 and video input 2. (Each monitor has a choice of two video inputs)

5.

Power On / Off switches the monitor On or Off

6.

On either side of the TLM-702 are small Allen Key screw tension adjustments. These alter the tension on the pivoting mechanism. If you want to change the angle of the monitors, i.e. aim them up or down, you can loosen these screws and adjust the TLM-702. Once you have set the correct angle tighten the screws back up.

Functions - Rear Panel
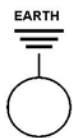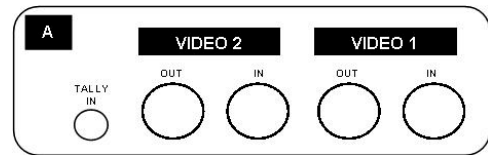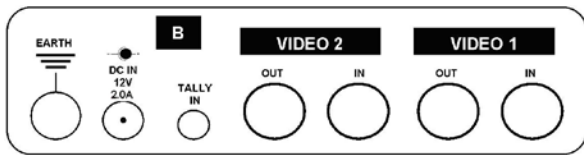
The earth terminal can be used with other equipment that has the same feature. Connect all items together to ensure that they are grounded.

Connect the supplied switch mode power supply to this socket. The locking collar screws into place once the plug has been inserted. It is also possible to power the TLM-702 from other regulated 12V supplies (min 1.5A).

3.5mm Jack Socket for tally light connection. You can connect the tally feed directly from the Datavideo RMC-140, or with the SE-500 or RMC-90 via the TB-5 tally box. For use with any other equipment, 5v to the tip produces a red light, 5V to the middle ring produces amber; the outer shield is ground.
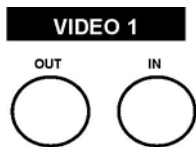
Each monitor has two composite video inputs, each with a loop-through output. The video input can be PAL or NTSC, the TLM-702 will automatically detect the video standard.

Specifications

LCD Display	7" x 2 TFT LCD active matrix, resolution 1440 x 234 dots
Aspect Ratio	4:3 and 16:9 selectable
Brightness (Luminance)	500 cd/m²
Contrast Ratio	300
View Angle	Top: 40 deg
	Bottom: 60 deg
	Left: 60 deg
	Right: 60 deg
Video Input	CV input 1.0Vp-p, with self Loop-Through output (75 Ohm-terminated)
Video System	NTSC/PAL auto recognition
Colour Adjustment	Brightness, Contrast, Colour, Tint (Tint is NTSC only)
Tally Indication	Two Colour Tally LED indicators
Operation condition	Operation temperature from 0℃ to 50℃, RH less than 90%
Power Consumption	DC12Volt, 1.5Amp
Dimensions of LCD Panel	484mm x 133mm x 50mm (W x H x D)

Accessories

TB-5 Tally Box

The TB-5 Tally Box is an accessory for the Datavideo SE-500 Vision Mixer; or SE-800 Vision Mixer, together with the RMC-90 Remote Control Panel. The TB-5 reads the 15 Pin Tally output from the SE-500 / RMC-90 and provides two colour LED tally information for the TLM-702.

TLM-702JF Desk Stand

The TLM-702JF is a desk stand for the TLM-702. It is ideal for use with the Datavideo SE-500 (as illustrated), but can also be used in other applications.

Service & Support

It is our goal to make owning and using Datavideo products a satisfying experience. Our support staff is available to assist you to set up and operate your system. Contact your local office for specific support requests. Plus, please visit www.datavideo.com to access our FAQ section.

Please visit our website for latest manual update.
www.datavideo.com/product/TLM-702

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