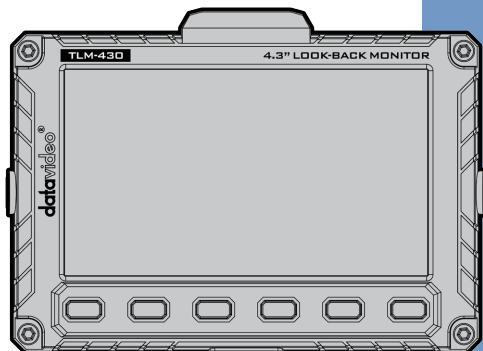




**4.3" LOOK-BACK
MONITORCONVERTER**

TLM-430

Instruction Manual

www.datavideo.com

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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 begins 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.
- All non-Datavideo manufactured products (product without Datavideo logo) have only one year warranty from the date of purchase.
- 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.
- All accessories including headphones, 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

TLM-430, a TFT 4.3" LCD monitor with an enhanced tally light, is used for quick preview and look back of the video captured by cameras on the field. It features **480 x 272 LCD active matrix** and **selectable 4:3 & 16:9 aspect ratios**, which improve the video quality and user's viewing experience. In addition, the TLM-430's compact design with portable battery and remote controllability using Datavideo's remote controller have been favored by many professionals.

Features

- Datavideo's TLM-430 is a 4.3 inch Look-Back monitor ideal for use as either a electronic viewfinder or for confidence playback previewing
- 4.3" 480 x 272 LCD active matrix for Preview and Look Back
- Enlarged Bi-Colour Tally LED indicators (Red & Green) for good communication between with the studio and to identify which camera is live
- 16:9 & 4:3 Aspect Ratio Support
- Two composite video inputs (V1 – V2)
- Remote Controllable by Datavideo RMC-200
- DC 12v Power Operation. AC Adapter inc or battery
- Available in two versions, with Sony BP-U or NP-F series battery mounts
- Lightweight design (less than 210g)

Connections & Control

Front Panel



V1 Source Button

Selects Input source (CV1)



V2 Source Button

Selects Input source (CV2)



MENU

Brings up the on-screen menu (See [Menu Options](#) for more details).



UP / DOWN

Navigates the on-screen menu.





ENTER

Confirms new settings or returns to default.

Note: Press **ENTER** key to set the aspect ratio to 16:9 or 4:3 when either CV1 or CV2 is connect an input source.



Tally

Dual color tally indicator.

Rear Panel



Composite Video Input (CV1 / CV2)

BNC ports for analog (Composite) video inputs.



Remote Control Input

Connects the remote control cable.



DC-In Socket

Connects the supplied 12V/4W to this socket. The connection can be secured by screwing the outer fastening ring of the DC In plug to the socket



Tally In

Inputs red and yellow tally signals to tally LED.

Red: On-air

Yellow: Standby



Power Switch

Switches the power **ON / OFF**.



Battery Mount

The Battery Mount enables you to power the monitor using a universal battery from a range of manufacturers.

(Please see the [specifications](#))

Menu Options

1. OUTLINE FRAME

- Press the **MENU** button to enter the **MAIN MENU**.
- Press **UP** / **DOWN** button to move to **OUTLINE FRAME** option.
- Press **ENTER** button enter the **OUTLINE FRAME** option.
- Press **UP** / **DOWN** button to select the **OUTLINE FRAME** range (80, 90 or OFF).
- Press **ENTER** button to set the **OUTLINE FRAME** range.

2. BACK LIGHT

- Press the **MENU** button to enter the **MAIN MENU**.
- Press **UP** / **DOWN** button to move to **BACK LIGHT** option.
- Press **ENTER** button to enter the **BACK LIGHT** option.
- Press **UP** / **DOWN** button to select the **BACK LIGHT** range (LEVEL1, LEVEL2 or LEVEL3).
- Press **ENTER** button to set the **BACK LIGHT** range.

3. BRIGHTNESS

- Press the **MENU** button to enter the **MAIN MENU**.
- Press **UP** / **DOWN** button to move to **BRIGHTNESS** option.
- Press **ENTER** button enter the **BRIGHTNESS** option.
- Press **UP** / **DOWN** button to select the **BRIGHTNESS** value from 00~90
- Press **ENTER** button to set the **BRIGHTNESS** range.

4. CONTRAST

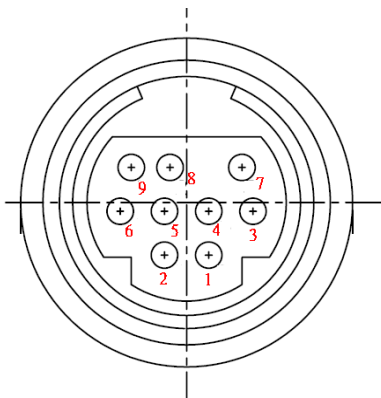
- Press the **MENU** button to enter the **MAIN MENU**.
- Press **UP** / **DOWN** button to move to **CONTRAST** option.
- Press **ENTER** button to enter the **CONTRAST** option.
- Press **UP** / **DOWN** button to select the **CONTRAST** value from 00~90
- Press **ENTER** button to set the **CONTRAST** range.

5. RESET / DEFAULT

- Press the **MENU** button to enter the **MAIN MENU**.
- Press **ENTER** button to enter the **RESET / DEFAULT** option.
- Press **ENTER** button to **RESET TO DEFAULT VAULE**.

Pin Definitions

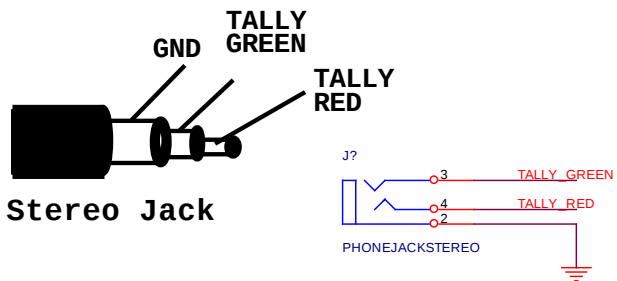
9 PIN Mini DIN



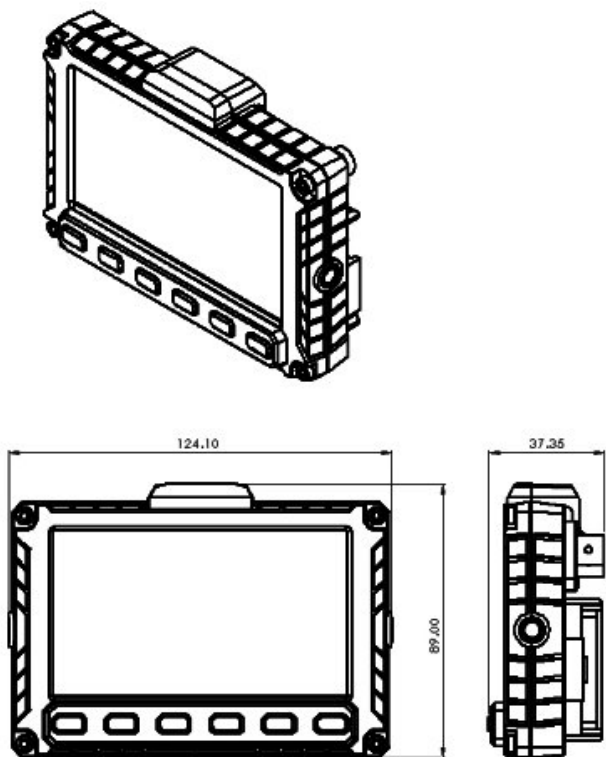
Mini DIN 9PIN Female

- PIN 1: GND
- PIN 2: VOUT: (+5V, 80mA)
- PIN 3: Control Signal from RMC-200
- PIN 4: Tally GREEN (External high level signal: Tally On)
- PIN 5: Tally RED (External high level signal: Tally On)
- PIN 6: CV2 (Composite Video Input)
- PIN 7: CV1 (Composite Video Input)
- PIN 8: D-TAP POWER IN (DC 5~15V, 400~100mA)
- PIN 9: D-TAP POWER Ground

Tally Pin



Dimensions



Specifications

LCD Display	4.3" TFT LCD active matrix
Resolution	480W x 3 (RGB) x 272H DOTS
Aspect Ratio	4:3 and 16:9 selectable
Brightness (Luminance)	500 cd/m ²
Contrast Ratio	500
View Angle	Top: 50 deg Bottom: 70 deg Left: 70 deg Right: 70 deg
Video Input	CV input x 2 (75 Ohm-terminated)
Video System	NTSC/PAL auto detection
Colour Adjustment	Brightness, Contrast, Colour Saturation
Tally Indication	Bi-Colour Tally LED indicators(Red & Green)
Operation Condition	Operation temperature from 0°C to 50°C, RH less than 90%
Power Consumption	DC 12 Volt, 0.5A (4W)
Dimensions	124.10mm x 89mm x 37.4mm (W x H x D)
Mini-DIN 9 pin	For Tally, Remote, CV1, CV2, D-Tap
Battery	Supports SONY BP-U60 & BP-U30 DV Batteries Supports SONY NP-F770/970/960/950 DV Batteries

NOTE

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.com for answers to common questions, support requests or contact your local office below.

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