

## TFT LCD MONITORS

# TLM-170/ 700/ 702/ 433/ 404



As a leading manufacturer Datavideo work closely with LCD panel manufacturers to ensure only the highest quality displays are used, and offer a guarantee against spotlight defects. The high quality professional TLM monitor series automatically switches between PAL / NTSC, and for flexibility can be powered via 12 V DC or AC power. The Datavideo TLM monitor series is designed for video

professionals that insist on superior performance. After all, every professional knows that you are only as good as the tools you use.

Whether it's in combination with switchers, 19" rack monitoring, in field operation, video editing, or the most advanced multimedia video you're creating, the Datavideo TLM monitor range offers the right tools for your job.

## 7" ANALOGUE 16:9/4:3

# TLM-700

16:9/4:3



### FEATURES

- 7" 16:9 Wide Screen Panel
- Resolution: RGB 480X234 dots
- View Angle (V)+50/-40°, (H)+60/-60°
- 2 x Video Input
- Brightness, Contrast, Colour, Tint Adjustable (Tint NTSC only)
- NTSC/PAL Auto Switching
- 16:9 / 4:3 switchable
- Carry Case Included

### REAR VIEW



VIDEO IN-2 VIDEO IN-1

### FEATURES

#### Screw for Ball Head

Standard screw mount for fixture to a tripod or the supplied ball head



#### TLM-700 Carrying Case

TLM-700 is supplied with a stylish bespoke carrying case, easy to carry around with supplied accessories



#### Input Source Selector

Two input source selector.



#### Sun Shield

Supplied with very useful light weight sun shield



7" DIGITAL, SDI & HD-SDI 16:9/4:3

# TLM-700HD

## HD·SD



POWER HEADPHONE SOURCE COLOUR BAR MENU UP DOWN ENTER



HD/SD-SDI YUV CV HDMI IN TALLY DC IN 12V 1.5A

### FEATURES

- 7" 16:9 Wide Screen Panel
- Resolution: 800X480 dots
- View Angle (V)+60/-40°, (H)+60/-60°
- HD/SD-SDI, YUV, CV, HDMI Input
- Internal colour bar
- Blue only function
- Audio indicator for SDI, HDMI
- Safe area indicator
- VITC time code display
- Dual colour tally light indicator
- Brightness, Contrast, Colour, Tint Adjustable
- Audio Level indicators
- NTSC/PAL Auto Switching
- 16:9 / 4:3 switchable



Datavideo TLM-700HD feature 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.

### APPLICATION



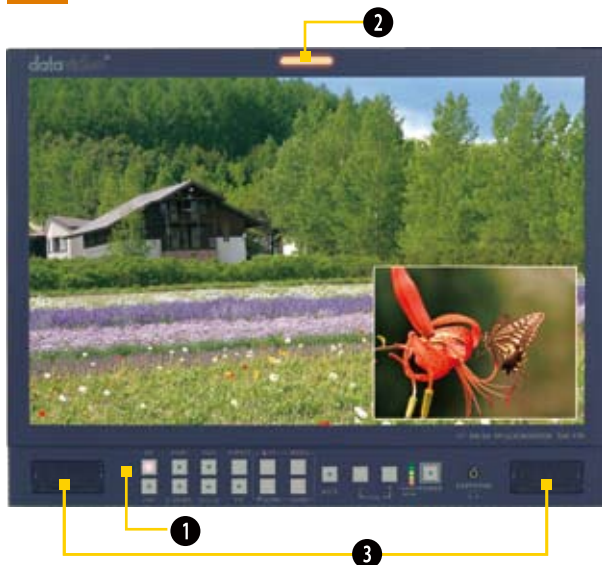
# TLM-170

## HD-SDI

- TLM-170 Desktop
- TLM-170M 1U rack-mounted pull-out shelf
- TLM-170D HD-SDI Desktop
- TLM-170MD HD-SDI 1U rack-mounted pull-out shelf

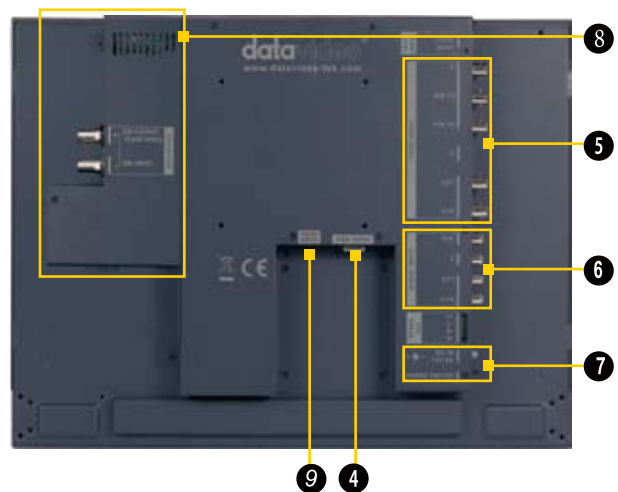
- 17" High Definition TFT LCD monitor
- Display mode adjustable 16:9 / 4:3 & 16:10.
- PAL & NTSC Auto Switching
- Viewing angle: (V) +60 / -60 degrees; (H) +70 / -70 degrees
- Screen resolution 1440 x 900 pixels
- LCD contrast ratio: 700:1
- Composite Video (CV), S-Video (Y/C), SD & HD-YUV and HD & SD-SDI video signal input with SDI loop through output. (Model depending)
- 4 RCA analogue audio input & stereo HDMI input
- Selectable overscan/underscan switchable safe area overlay
- Dual colour tally light input
- Brightness, Contrast, Colour & Tint adjustable (Tint NTSC only)
- Both VGA and HDMI input
- Includes Picture in Picture feature
- Available as a 1U rack-mounted pull-out shelf or Desktop version
- 12v DC operation (Supplied with mains DC adapter)

### FRONT VIEW



- 1 Input selector & Image adjustments**  
Display mode adjustable include 4:3/16:9 - Auto switching NTSC/PAL and Contrast, Colour, Brightness & Tint (Tint NTSC Only)
- 2 Tally light indicator**  
Dual colour tally light indicator ideal for instudio use or as part of Datavideo mobile video studios
- 3 Built-in stereo speakers (2W)**

### REAR VIEW



- 4 Computer input**  
15-pin D-Sub connector
- 5 Video input**  
Two composite video BNC, one component (Y:U:V), one S-Video (Y/C) and one HDMI
- 6 Audio Input**  
4 RCA analogue, stereo HDMI and AES/EBU
- 7 DC 12V Power Input**  
Easy integration in Datavideo Mobile Video Studio, Supplied with mains DC adapter
- 8 HD-SDI input / output board (optional - model depending)**
- 9 HDMI input**



## FEATURES

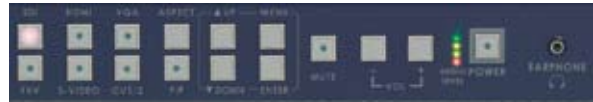
### TLM-170/170D

#### Desktop



Desktop version of Datavideo's HD ready LCD monitor perfect as high quality reference monitor designed to assist as program monitoring during production. Resolution 1440 x 900 HD/SD SDI, Y:U:V, Y/C and Composite connections. Built in speakers.

#### Input selector & Image adjustments



Input selector, display mode adjustable include 4:3/16:9 - Auto switching NTSC/PAL and Contrast, Colour, Brightness & Tint (Tint NTSC Only)

#### Application



### TLM-170M/TLM-170MD

#### 1U rack-mounted pull-out shelf



#### Lock



Secure locking of the folded monitor during transport

#### Hinge



Pull the monitor out, and fold it in upright position when in use - the strong locking pivot point secure the monitor.

#### LCD Tray



Mounted in a 1U metal housing, for integration into universal 19" rack or as part of a mobile setup

## 2 X 7" 16:9/4:3 MONITOR BANK

# TLM-702



- 2 x 7" Panel,  
19" 3U Rack Mountable
- Screen resolution  
RGB 480X234 dots
- View Angle (V)+40/-60°, (H)+60/-60°
- 2 x Composite inputs for each screen with loop through output
- Brightness, Contrast, Colour, Tint Adjustable (Tint NTSC only)
- NTSC/PAL Auto Switching
- Display mode adjustable (16:9 & 4:3)
- 12v DC operation (supplied with mains DC converter)

## FEATURES

### Image Correction

Adjustable, Colour, Contrast, Brightness & Tint (Tint NTSC only)



### 19" - 3U Rack Mountable

Standard 19" 3U rack mountable makes the TLM-702 a great choice for use with Datavideo's mobile video studios, or any installation job



### Tally Indicator

3.5 mm Jack connector for tally make the TLM-702 ideal for in studio use or as part of Datavideo mobile studio solutions



### Input selector

Input and aspect selector



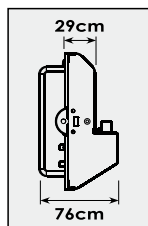
### Calibration Screws

Fix the screens at a certain angle, perfect for fixed installations



### Slim Design

Robust compact and slim design ensure integration into existing installations

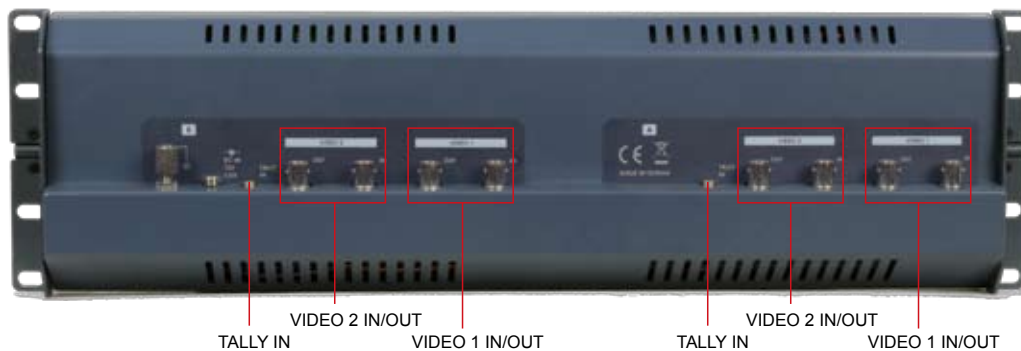


### Adjustable View Angle

Tilt 45 degree viewing angle



## REAR VIEW



TALLY IN VIDEO 2 IN/OUT VIDEO 1 IN/OUT TALLY IN VIDEO 2 IN/OUT VIDEO 1 IN/OUT

## 3 X 4.3" 16:9/4:3 TFT LCD MONITOR BANK

# TLM-433



- 3 x 4.3" High quality TFT LCD Monitors
- 4:3 & 16:9 Display mode switching / PAL & NTSC auto switching
- Screen resolution RGB 480 x 272 pixel
- LCD Contrast ratio – 400:1 typical    ■ Viewing angles – Top & Bottom: 80° , Left & Right: 80°
- 1 Colour LED Tally Light indicator on each monitor    ■ Individual Adjustments for Contrast, Brightness and Colour Saturation
- Composite Video Connections with 75 ohm self terminating loop through    ■ Aux Input Via Sub D 9-Pin
- 2U 19" Rack Mountable    ■ 90 Degrees of Tilt    ■ 12v DC operation (supplied with mains DC converter)
- Switchable safe area overlay

### FEATURES

#### Adjustable View Angle

Tilt 45 degree viewing angle



#### Locking Pivot Point

Strong locking pivot point



#### Image Correction

Adjust-able, Colour, Contrast, Brightness



#### Power Switch



#### 19"-2U Rack Mountable

Standard 19" 2U rack



mountable makes the TLM-433 a great choice for use with Datavideos mobile video studios, or any installation job

#### Tally Indicator



Standard 15-pin connector for tally make the TLM-433 ideal for in studio use or as part of Datavideo mobile studio solutions

#### High Quality Resolution



Screen resolution RGB 480 x 272 pixel

### REAR VIEW



VIDEO-C IN/OUT

VIDEO-B IN/OUT

VIDEO-A IN/OUT

TALLY IN

DC IN 12V 3A

# 4 X 4" TFT LCD MONITOR BANK

## TLM-404



- Screen Resolution  
RGB 320 x 240 dots
- Viewing angles;  
Top: 10° / Bottom: 30° / Left & Right: 45°
- Contrast ratio – 150:1
- Can Be Tilted Up To 90 Degrees
- PAL / NTSC Auto Detect
- 2U 19" Rack Mountable
- Aux Input Via Sub D 9-Pin
- Composite Video Connections with 75 ohm self terminating loop through
- 3 Colour LED Tally Lights indicator on each monitor.
- Individual Adjustments for Contrast, Brightness and Colour Saturation.
- 12v DC operation (supplied with mains DC converter).

### FEATURES

#### Locking Pivot Point

Strong locking pivot point



#### Image Correction

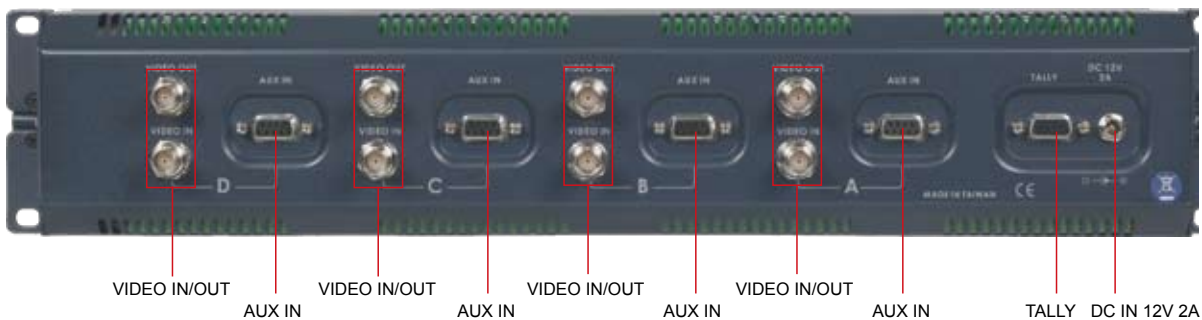
Each monitor has individual adjustments for contrast, brightness, color and tint (NTSC mode only). Includes 3-color LED tally lights.



#### Power Switch



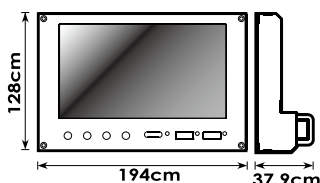
### REAR VIEW



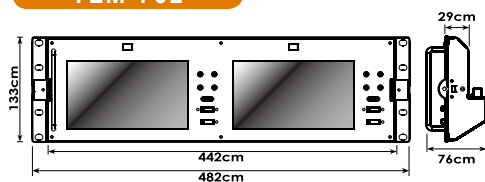


## DIMENSIONS

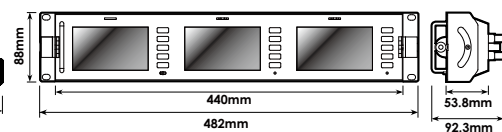
**TLM-700**



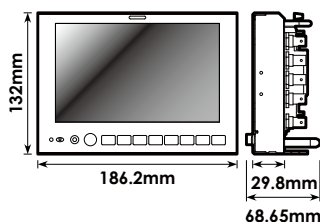
**TLM-702**



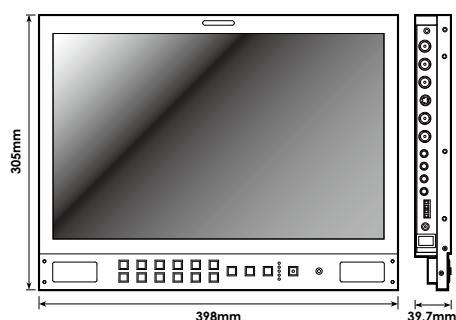
**TLM-433**



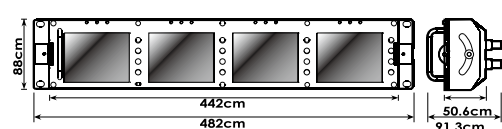
**TLM-700HD**



**TLM-170**



**TLM-404**



## SPECIFICATIONS

	TLM-700	TLM-700HD	TLM-170	TLM-702	TLM-433	TLM-404
<b>General</b>						
System	Standalone Unit	Standalone Unit	Rack Mountable 1U	Rack Mountable 3U	Rack Mountable 19" 2U	Rack Mountable 19" 2U
Power Input	DC 12V	DC 12V	DC 12V	DC 12V	DC 12V	DC 12V
Power Consumption	6W	18W	15W	30W	15W	15W
<b>Display</b>						
LCD Panels	7" TFT LCD	7" TFT LCD	17" TFT LCD	7" TFT LCD	4" x 3 TFT LCD	4" x 4 TFT LCD
LCD Resolution	480 x 234 dot	800x480 dot	1440 x 900 dot	480 x 234 dot	480 x 272 dot	320 x 240 dot
LCD Backlight	CCFL	LED	CCFL	CCFL	CCFL	CCFL
LCD View Angle (Deg)	Top: 40 Bottom: 60 Left: 60 Right: 60	Top: 60 Bottom: 40 Left: 60 Right: 60	Top: 60 Bottom: 60 Left: 70 Right: 70	Top: 40 Bottom: 60 Left: 60 Right: 60	Top: 80 Bottom: 80 Left: 80 Right: 80	Top: 10 Bottom: 30 Left: 45 Right: 45
LCD Contrast Ratio	300	500	700	300	400	150
LCD Brightness	500cd/mm	350cd/mm	500cd/mm	500cd/mm	240cd/mm	250cd/mm
Brightness Adjustment	Yes	Yes	Yes	Yes	Yes	Yes
Contrast Adjustment	Yes	Yes	Yes	Yes	Yes	Yes
Colour Adjustment	Yes	Yes	Yes	Yes	Yes	Yes
Tint Adjustment (NTSC)	Yes	Yes	Yes	Yes	-	Yes
<b>Video</b>						
CV	2	1	2	4	3	4
YUV	0	1	1	0	0	0
S-Video	0	0	1	0	0	0
HD-SDI	0	1	1	0	0	0
HDMI	0	1	1	0	0	0
VGA	0	0	1	0	0	0
By pass CV Out	0	0	0	4	3	4
AUX RGB	0	0	0	0	0	4
DV/IEEE1394port	0	0	0	0	0	0
<b>Audio</b>						
Unbalanced Audio Input	No	No	No	No	No	No
Unbalanced Audio Output	No	No	No	No	No	No
DV Audio	No	No	No	No	No	No
Headphone	No	1	1	No	No	No
Volume Control	No	Yes	Yes	No	No	No
Speaker	No	No	2	No	No	No
<b>Features</b>						
Overscan/Underscan	No	No	Yes	No	Yes	No
NTSC/PAL	Auto	Auto	Auto	Auto	Auto	Auto
Tally LED Indicator	No	2 Colour	2 Colour	2 Colour	1 Colour	3 Colour
Tally Input	No	15-Pin	3.5mm Jack	3.5mm Jack	15-Pin	15-Pin
Aspect	4:3 / 16:9 Selectable	4:3 / 16:9 Selectable	4:3/16:9/16:10 Selectable	4:3/ 16:9 Selectable	4:3 / 16:9 Selectable	4:3
Flip/Mirror effect	No	Yes	No	No	No	No
<b>Accessories</b>						
Sun Shield	Yes	Yes	No	No	No	No
Ball Head	P/N: BH-5	P/N: BH-5	P/N: TLM-170M	P/N: TLM702JF	P/N: TLM-433JF	P/N: TLM-404JF

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