

# transvideo



*CineMonitor* HD

## Operator Manual

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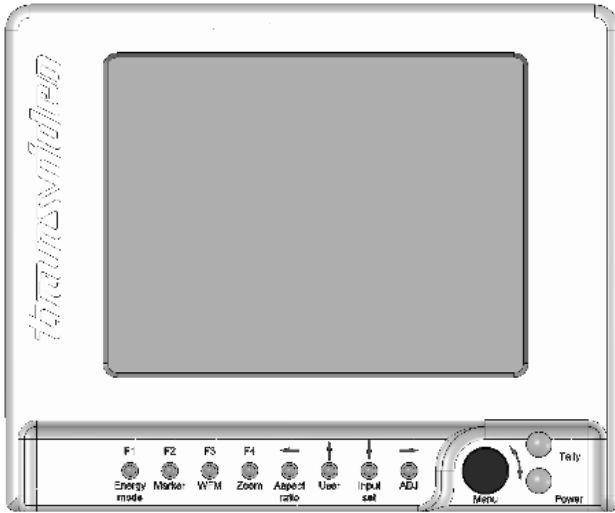


Figure 1 - CineMonitorHD6 front

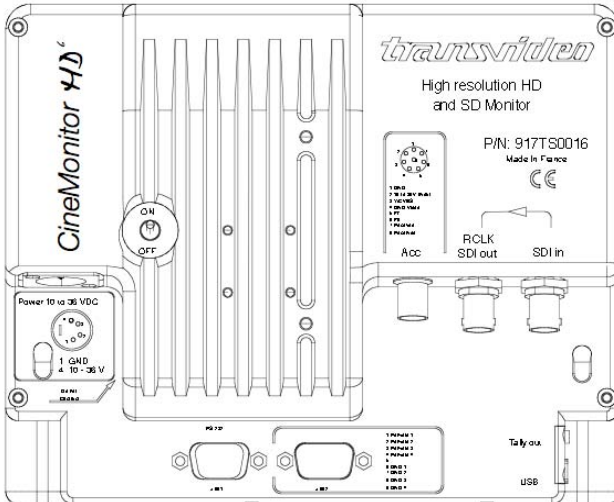


Figure 2 - CineMonitorHD6 back

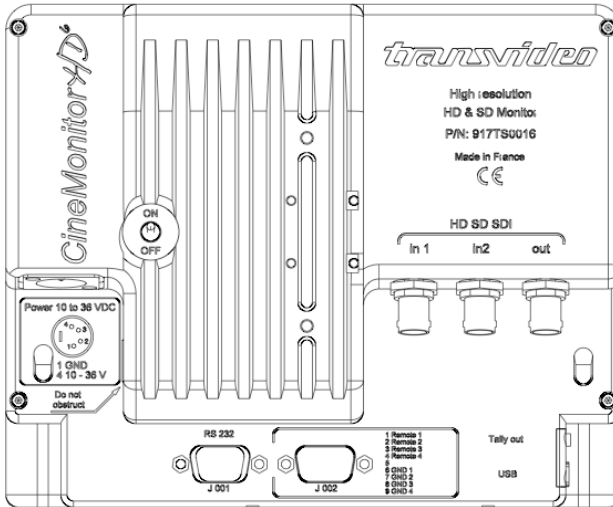


Figure 3 - CineMonitorHD6 back (SDI Only)

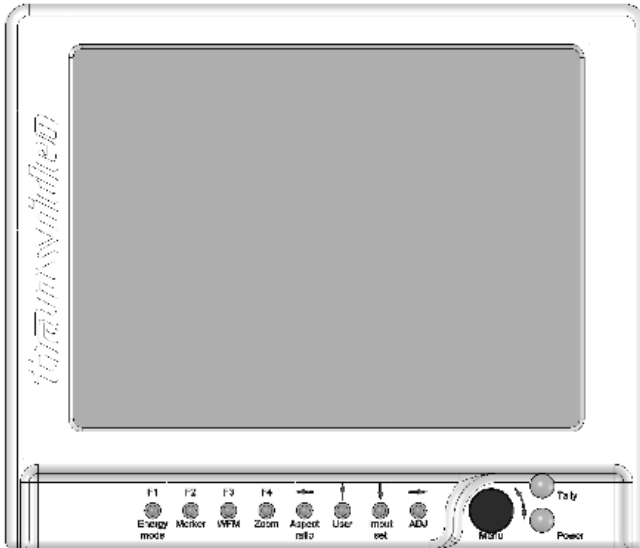


Figure 4 - CineMonitorHD8 front

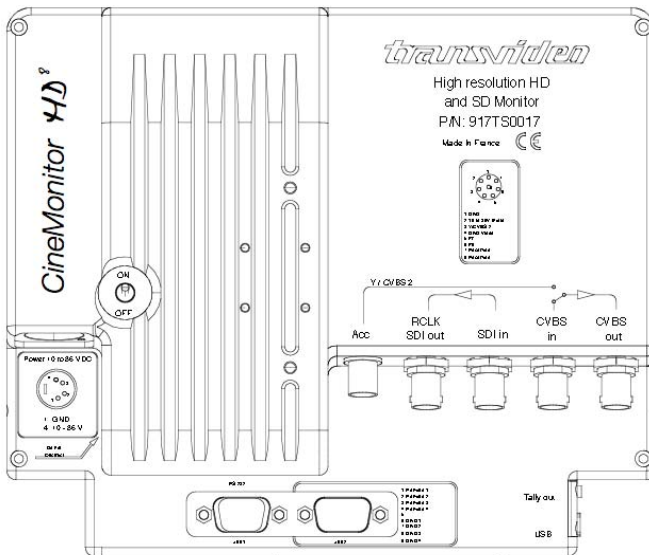


Figure 5 - CineMonitorHD8 back (SDI + Analog)

## About

This Operator Manual describes the use of the TRANSVIDEO CineMonitorHD family.

The first CineMonitor has been introduced to the Film Industry during year 1995.

The CineMonitorHD is our contribution to the Digital Cinematography world.

The CineMonitorHD family includes the following products:

*CineMonitor*HD<sup>6</sup> 6" HD Monitor

*CineMonitor*HD<sup>8</sup> 8" HD Monitor

If the physical, electrical and optical characteristics of the products are different, the user interface is the same.

Several configurations are optionally available for this family of products. There is the choice at the order between several input boards, which gives different functionalities described in this document. Some options can be not implemented in your CineMonitorHD. It is possible to upgrade the CineMonitorHD, for that please contact your local Transvideo representative.

The products described in this book are professional equipments; they are not designed for consumer use. Utilization of these products implies knowledge of basics in video signal management, HDTV and film making concept.

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WARNING and CAUTION

**WARNING:** There is very high voltage inside of the component. Risk of injury or death.

**WARNING:** This product must be used in a correct grounded electrical environment; ground defects can create severe problems to the equipment, the picture quality and even cause danger for the user.

**WARNING:** Copyright law and international treaties protect this product, its design and its software. Unauthorized reproduction or distribution of this product or its design or its software or any portion of them, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.

**CAUTION:** Warranty is void is the product is opened. The unit contains electrostatic sensitive devices, which can be damaged or destroyed if you touch them. Refer to the standard ESD procedures before disassembly of the component

## Condensed Operating Instructions

- ① Connect a power supply (10-36VDC to the XLR connector)
- ② Connect a video source to the input
- ③ Switch on the monitor with the back switch
- ④ Select the correct input with INPUT SEL

For more information, please read the manual in SECTION III  
“OPERATION” -

## **Introduction**

### ***Unpacking and Inspection***

The CineMonitorHD is delivered in a rugged waterproof case. Use this case for storage and transportation.

Control the content of the package accordingly to the packing list.

Fill up the warranty card and send it by mail or by fax to your distributor or to the factory.

### ***Safety Inspection***

Before using the monitor be sure that the product is not damaged, that the protective glass is not broken and that the connector do not have missing pins, objects inside the housing.

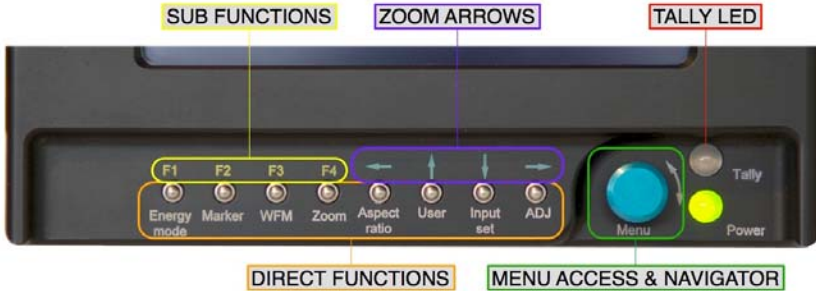
The cables must be in good condition and adapted to the environment where you are working. TRANSVIDEO offers high quality cables for cameras, power supplies and all kind of interfaces, please consult us in case of need.

This product must be used in a correct grounded electrical environment; ground defects can create severe problems to the equipment, the picture quality and even cause danger for the user.

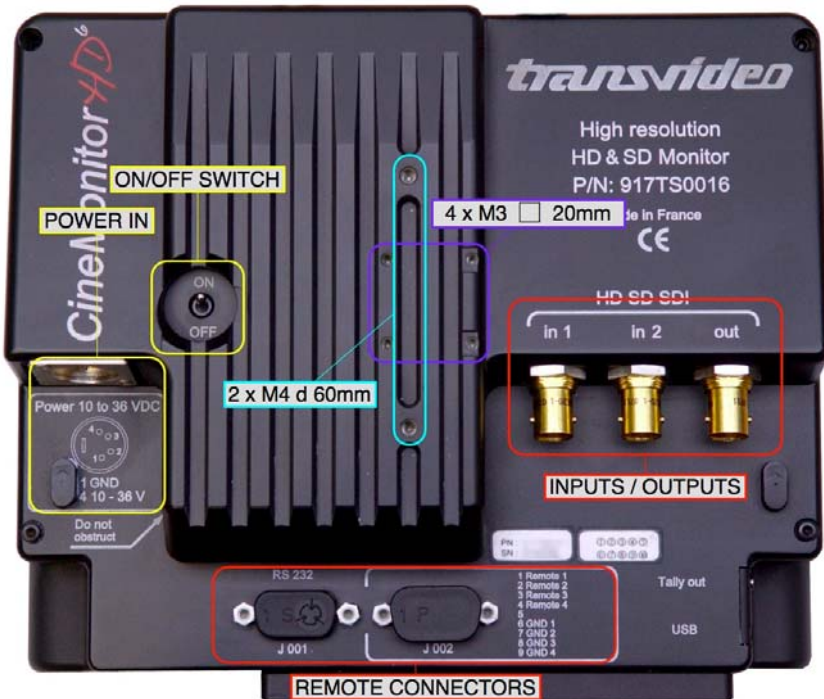
The video cable must be adapted for carrying SDI HD signals; adapted 75  $\Omega$  connectors must be used. Damaged cables must be not used with this equipment.

## Product Overview

### Front Panel Controls and Indicators



### Rear Panel Controls and Connectors



## Installation

The CineMonitorHD must be securely fixed on the camera or on the location of use. TRANSVIDEO manufactures high quality brackets and accessories for the comfort of use and security of the equipment and user.

Do not use the monitor with loose fixation or damaged brackets it is a question of security for yourself and other peoples working on the same location.

Several fixation points have been added to this equipment for secured professional use.

- ① A slide with a 1/4-20" nut is delivered as standard equipment with the product. This slide is fixed on the bottom of the monitor.
- ② One or several optional slides can be attached to the sides, back or top of the monitor. 2 x M4 screws attach the slides. Several TRANSVIDEO's accessories can be fixed in these positions; this mounting system is generic for Transvideo since 1990.
- ③ One square of 20mm accepts 4xM3 screws.

## Instrument Positioning

The CineMonitorHD needs to be in a ventilated area to be normally cooled.

Long use in closed environment without ventilation can damage the monitor.

Never use the monitor in a plastic bag.

Never use the monitor in full sun with a Raincover.

## Power Requirements

Only DC Voltage powers this product.

AC voltage can be used with an appropriate AC/DC converter (TRANSVIDEO AL24 or similar).

The power voltage range is extremely wide from 10 to 36 V DC.  
The power consumption varies with the input voltage, the operating temperature and the configuration of the product.  
The power supply is protected against reverse polarity.  
Over voltage may cause severe damages to the equipment.

For safety of use the CineMonitorHD family feature a galvanic insulation of the DC input. Do not connect the power ground to the chassis of the monitor or to the metallic body of the power connector to keep the galvanic insulated. The galvanic insulation is rated at 1000VDC. The chassis of the monitor is connected to the video ground.

# Operation

## ***Start-Up & Power***

The ON/OFF Switch is placed on the back of the monitor.  
The product needs a certain time to reach its nominal brightness.  
This time can vary with the temperature.

When using the optional Battery Holder, switch of the holder overpasses the switch of the monitor.

In OFF position, the power consumption is null.

**WARNING RISK OF FIRE:** It is always recommended to remove the power source from the monitor when you do not use it and/or when you travel. Especially if you place the monitor in a closed environment (bag, box, ...)

## ***Using the direct access functions***

Several direct functions are available from the keypad.  
One short press on the pad allows to access to the functionalities.  
One long press (more than 2 seconds) on the pad allows to access to the optional functionalities for the related function (if any).  
The blue knob is a rotary encoder with a push function, it is used to access and navigate in the menus, adjust some parameter values, validate and exit functions by pushing it.  
A short push when on "EXIT" exits of the current menu to the previous level (if any) a long push exits from the menu.

## ***F1...F4***

One long press (more than 2 seconds) on the direct function pad allows to access to the optional functionalities for the related function (if any). Depending of the function, options and environment, the content of F1 ... F4 can vary. Pressing the pad just under the engraving will activate or

deactivate the sub-function. The activated sub-function is highlighted on the menu by a orange text, un-activated function is displayed in white.

## ***Using the menus***

The menu gives access to functionalities that do not have direct access from the keypad.

The blue knob is used to navigate in the menu structure.

Pushing the blue knob allows to access to the function sub-menu.

Exit of the menu by selecting EXIT or by automatic temporization (temporization can be adjusted in the TECHNICAL Menu)



## ***Direct functions description***

### **ENERGY MODE**

Allows switching between different modes:

FULL BRIGHT: Maximum brightness and power consumption, the color calibration is deactivated.

CALIBRATED: Standard mode, the brightness and white point are calibrated according to the settings of MENU/COLORIMETRY

USER: Brightness is adjustable from 10% to 100%, color calibration is preserved. Allows having a reduced power mode between two takes.

F1: D56  
F2: D65  
F3: MANUAL

It is necessary to wait a few seconds after pressing the pad before loading of the correct lookup table

### **MARKERS**

Displays the markers selected with F1...F4

Not active when the ZOOM or FORMAT 2.40:1 are selected

This menu is contextual; some functions can be not available depending of the input format.

F1: 4:3  
F2: 14:9  
F3: 16:9  
F4: SAFE

### **WFM (Waveform, Vectorscope, Histogram)**

Displays the selected measurement tools.

The brightness of the reticule and of the spot can be adjusted in the TECHNICAL MENU

White and black clipping alert can be configured in the TECHNICAL MENU, the same limits are used for the waveform monitor and the histogram representation. The white and black clippings are available only on the Y representation.

It is possible to select the sweep mode in the general menu TOOLS/MEASURE... (see the related menu description)  
The sweep mode setting applies for the 3 tools.

- F1: Waveform\*
- F2: Histogram\*
- F3: Vectorscope\*

*\* The Histogram, RGB waveform and the Vectorscope functions are optional.  
If the option is not installed, there will have no access to the sub-menus and only the Y (Luminance) Waveform will be available.*

Selecting F1 gives access to and other sub-menu:

- F1: Single  
Displays one single spot, Y, Red, Green or Blue
- F2: Parade  
Displays Y, R, G & B in parade mode.

### Blue knob

When a measurement tool is displayed. Pressing the WFM pad gives the possibility to adjust the representation by using the blue rotating knob.

- Waveform : 3 sizes of waveform are available
- Histogram : Adjustment of the gain of the histogram
- Vectorscope : Toggle between 2 sizes of waveform

## ZOOM

Displays the HD picture in full resolution mode (pixel to pixel). Depending of the input format, the magnification ratio can be different.

Displays the SD picture in full screen. In this case there is an important magnification ratio applied to the original picture, the resultant picture includes created pixels and lines and cannot be considered as a proof. In this mode the waveform will be superimposed to the picture.

### Arrows & Blue knob

In zoom mode arrows move the picture on Top/Bottom, Left/Right positions; Fine adjustment can be made rotating the blue knob.

Pressing continuously an arrow pad moves the picture in the selected direction.

A new push on the ZOOM pad centers the picture, the next push sends back to the full picture display.

## ASPECT RATIO

Allows the change of aspect ratio between:

1.33:1	4/3	SD only
1.78:1	16/9	HD & SD
2.40:1		HD & SD

## USER

User configurable input. This pad gives access to the function pre-selected in F1...F4 menu.

F1:	STATUS
	Displays the status of the monitor
F2:	ZONE

Allows to adjust the acquisition zone for the waveform and vectorscope.

Active when “1 line” or “12 lines” are selected.

F3: MEM  
Access to the Memory menu

F4: Horizon\*

*\* The horizon is optional, if the horizon is not implemented, this menu will not appear.*

## INPUT

Selects the input.

At selection, the format of the video is displayed

When no signal is available, displays “NO SYNC”

F1...F4 Selection of active inputs (Input board dependant)

### CineMonitorHD6

F1: SDI (HD/SD)  
F2: ACCessory

### CineMonitorHD8

F1: SDI (HD/SD)  
F2: CVBS  
F3: ACCessory

### CineMonitorHD6/8 option “SDI only”

F1: SDI 1  
F2: SDI 2  
F3: 3D\*

*\* The 3D function is an option allowing to display simultaneously the 2 inputs on the monitor. The 2 SDI inputs must be synchronized. This function is used to match the position and setting of a stereoscopic HD system.*

Pressing F1...F4 activates or not the selected input. An active input appears in orange, an inactive in white. An inactivated input cannot be selected by the "INPUT".

Inactivating the accessory input reduce the power consumption of the CineMonitorHD of about 4 Watts.

The format of the ACCessory can be configured in the TECHNICAL MENU. It is possible to select between component YPrPb, component RGB and CVBS.

## **ADJUST**

Select HUE, BRIGHTNESS, CONTRAST, SATURATION by pressing the pad.

Adjust the value by rotating the blue knob

Validate by pushing the blue knob

## **MENU FUNCTIONS**

### **ADJUSTMENTS**

#### **HUE (TINT)**

Adjustment of the color phase.

This adjustment is only usable in NTSC when the monitor is equipped with a CVBS analog input.

Values from  $-90^{\circ}$  to  $+90^{\circ}$  each step  $1^{\circ}$

#### **BRIGHTNESS**

Setup the black level of the signal from  $-204\text{mV}$  to  $+204\text{mV}$  from the nominal position.

#### **CONTRAST**

Setup the gain of the video signal (Black to White level) from  $-100\%$  to  $+100\%$  around of the nominal position.

#### **SATURATION**

Setup the color saturation of the signal from  $-100\%$  to  $+100\%$  around of the nominal position.

#### **BLUE CHECK**

Sets the monitor in BLUE ONLY mode.

This mode is used to calibrate the monitor with an incident color bar.

#### **COLORIMETRY**

#### **MANUAL**

Allows the manual adjustment of RGB gain (from 0 to 2) and level ( $-127\text{mV}$  to  $+126\text{mV}$ ).

WARNING: In MANUAL there is a risk of displaying wrong colors; this option must be used carefully.

### D56

Sets the monitor for a white point DAYLIGHT 5600

CIE 1931 Coordinates:

x: 0.3310

y: 0.3460

### D65

Sets the monitor for a white point DAYLIGHT 6500

CIE 1931 Coordinates:

x: 0.3127

y: 0.3290

### GAMMA

Adjust the grey point of the monitor according to the formula

$$V_c = V_s^{\left(\frac{1}{\gamma}\right)}$$

Where  $V_c$  represents the displayed signal and  $V_s$  is the incident signal. The correction is applied with a simulated response of CRT.

### ADJUSTABLE

Allows continuous adjustment  $0.3 < \gamma < 1$

The indicated value is for the corrected signal and do not indicate the monitor's gamma.

### USER

Load the specific USER correction table in the Gamma LUT of the monitor. This table must have been previously downloaded to the monitor with the appropriated software and procedure.

### PRESET

Set the monitor to reproduce linearly a signal corrected by a  $\gamma$  of 0.45

## LOCK

The lock function prevents errors after configuration and calibration of the monitor.

When the function is activated, “LOCK” is displayed on the screen at each attempt to enter in the menu or to access to a direct function.

To overpass the function, the user must keep pressing the blue knob for more than 5 seconds. It removes the function.

## TOOLS

Tools are optional.

## FRAMELINE

This option allows displaying up to 3 frames with or without center cross.

The menu shows different levels:

### FRAME 1

FRAME 1 ON/OFF

*Activation of the frame*

CENTER ON

*Activation of the center cross*

COLOR

*Modification of the color of the frame*

DOT

*Modification of the structure of the frame*

V SIZE

*Size of the frame (bottom part is moving)*

V POS

*Vertical position of the frame*

H POS

*Horizontal position of the frame*

SEND TO CENTER

*Send the selected frame to the center of the screen.*

### FRAME 2



...  
FRAME 3

...  
SEND ALL TO CENTER  
*Send all frames to the center of the screen.*

BCKGND COLOR  
*Change the background color outside of the frames.*

## HORIZON

This option allows displaying a virtual horizon on the screen.

The menu shows different levels:

SENSITIVITY

*Adjust the sensitivity of the virtual horizon (True, X2, X4)*

STYLE

*Select the style of the virtual horizon*

0 CAL

*Set the horizon to 0*

## TALLY

This option allows the use of the TALLY function.

The menu shows different levels:

LED ON/OFF

*Activate/desactivate the TALLY LED on the front panel.*

STYLE

*Selects the style of the TALLY, including the TALLY FRAME which is active on FRAME3 of the FRAMELINE (The FRAMELINE option must be installed to use this mode.)*

## MEASURE

This option allows different setups for the video measurement tools.

The settings apply to all video measurement tools except the histogram which represents always the full picture.

### **1 LINE**

Displays the measurement of one line selected with the blue knob.

### **12 LINES**

Displays the measurement of a group of 12 lines, the first line is selected with the blue knob.

### **ALL LINES**

Displays the measurement of one line selected with the blue knob.

### **SAFE MAX LEVEL**

Set up the upper clipping level (White) on the waveform.  
Adjustment goes from 80 IRE to 108 IRE  
All information over the limit will be orange.

### **SAFE MIN LEVEL**

Set up the lower clipping level (Black) on the waveform.  
Adjustment goes from -7 IRE to 20 IRE  
All information below the limit will be orange.

### **SPOT INTENSITY**

Adjusts the brightness of the waveform spot

### **RETICULE INTENSITY**

Adjusts the brightness of the waveform reticule

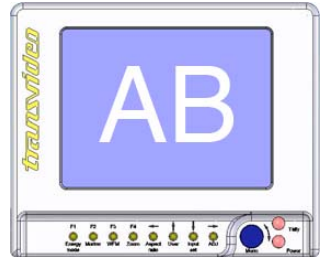
## CALIBRATION

Activates the calibration process when this option is implemented. The calibration option allows re-calibrating the D56 and D65 white points. To use the calibration option you need to have a MINOLTA CA-210, which is not supplied by TRANSVIDEO and not included in the option. The CineMonitorHD includes the embedded software and pattern generator.

## PICTURE FX

### NORMAL

Restores the standard display



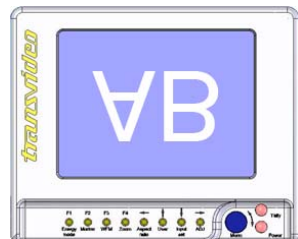
### HORIZONTAL FLIP

Returns horizontally the picture.



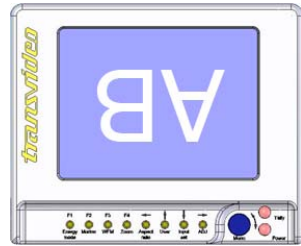
### VERTICAL FLIP

Returns vertically the picture.



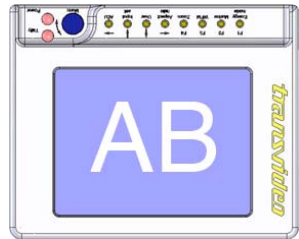
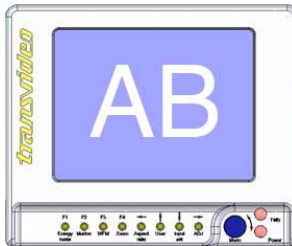
### PICTURE REVERSE

Returns horizontally and vertically the picture.



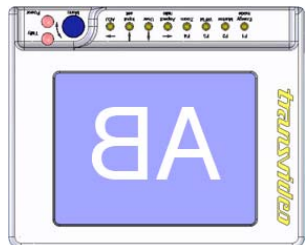
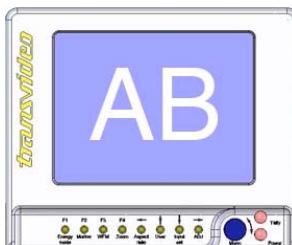
### AUTO REVERSE

Returns automatically the picture if the monitor is up side down.



### AUTO FLIP VERTICAL ONLY

Returns automatically the picture (vertical axis only) if the monitor is up side down



## **DISPLAY MODE**

### **COLOR**

Standard mode, displays the picture with 16 millions colors, 256 gray levels.

### **GREEN**

Display the picture in green color only.  
TINT and SATURATION are not working in this mode.  
This mode has been invented by TRANSVIDEO in 1990 and is used since this time in Film & Night Vision systems.

### **B&W**

Displays the picture with 256 gray levels.  
TINT and SATURATION are not working in this mode.

## **SCAN**

### **FULL**

Displays all pixels and all lines

## TECHNICAL

### NTSC

Setting of NTSC Japan (black 0 IRE) or US (black 7.5 IRE).  
Rotating the blue knob to the requested standard does the setting.

### ACCESSORY

Setting of the accessory input (when available)  
An appropriate cable must be used.

### COMPONENT RGB

HD or SD RGB signal with composite synchronization on the green channel is allowed.

### COMPONENT YPrPb

HD or SD YPrPb signal is allowed.

### CVBS

Composite video signal is allowed.

### EXIT TEMPO

Setting of the auto exit temporization from SLOW to FAST

### LED DIMMER

Dimming of the brightness of the “POWER ON” Led, it is possible to switch of completely the “POWER ON” Led.

## REMOTE

Sets the function attached to each remote input on J002.

The default setup is:

J002/1 TALLY (tally active when the contact is established)

J002/2 ZOOM (change of state with a temporary contact)

J002/3 INPUT SELECT (change of input with a temporary contact)

J003/4 HORIZON "0" LEVEL (calibrate with a temporary contact)

## MEMORY

### MEM 1 ... MEM 4

4 user memories are available to save user's configurations.

### SAVE

SAVE the current user set-up in the memory.

All configuration except INPUT SEL is stored in the memory, including:

-Picture settings

-Tools settings

-Framing options

### RECALL

Recall the settings stored in the memory.

The standard settings a factory loaded in this memory, they will be replaced at the first SAVE from the user.

### PRESET

Set the default values in the setting registers.

PRESET does not erase the user presets.



# Service & Maintenance

## **General**

Please read carefully the chapter « TRANSVIDEO Equipment Limited Warranty » about the warranty given by TRANSVIDEO S.A. on the equipment described in this manual.

For repairs after the warranty period, you can refer to your local TRANVIDEO Distributor/retailer of use the following procedure.

## **Useful tips**

### **CLEANING**

The painting of the CineMonitorHD is resistant to general cleaners and solvents. Do not use abrasive products to clean the CineMonitorHD.

The front glass is a high quality optical part. A metallic multi-layers vacuum deposit makes the anti-reflection coating. Do not use abrasive or acid cleaners. The microfiber cloth delivered with the CineMonitorHD is strongly recommended to clean the glass. Remove dust and particles of the glass before using the cloth. No liquid is normally necessary. If there is some dirt on the screen, it is possible to remove it with clean warm water.

The microfiber cloth collects grease particle in its structure. It is necessary to wash it when necessary with water and soap.

The microfiber cloth is orderable as spare part (see accessories)

### **FULL RESET**

In case of need, it is possible to fully reset the CineMonitorHD.

Connect the monitor to a power source

Switch off the monitor with the power switch on the back

Press the “adjust” pad

Switch on the monitor keeping pressed the “adjust” pad until the display shows “FULL RESET”

This procedure totally erases all user setup in the memories.

## **Software and Firmware**

The software and firmware version are indicated at the startup on the screen. This information is useful to keep in case of need for service purpose.

## **Calibration**

The white point of the monitor is individually calibrated in factory for D65 and D56.

The calibration doesn't need to be performed except after some specific service operation as the replacement of the backlight unit or if you need to match a large inventory of CineMonitorHD after hundreds hours of use. To perform the calibration, you need to send the product(s) to the factory or to have the option "COLOR CALIBRATION" installed in your product(s) and a MINOLTA Color analyzer CA210P and a RS232 cable. The calibration takes about 20 mn and must be performed in a dark environment. If the color calibration process is interrupted you have serious risks of color errors on the display.

## **Product Return**

For technical operation you can return the product to the factory.

Previously you have to ask for a RAN (Return Authorization Number)

Please provide the following information:

- ① Product type
- ② Model
- ③ Serial Number
- ④ Purpose of the return

You can contact us by:

Email	service@transvideo.fr
Fax	+33 2 3260 1479
Phone	+33 2 3232 2761


Then send the product to the following address :





TRANSVIDEO  
RAN # \_ \_ \_ \_ \_  
ZI - Rue Francois Arago  
27130 Verneuil sur Avre  
France

You are responsible for the way of shipment and the insurance of your product.

It is strongly recommended to inform us of the Tracking Number of your shipment followed by the RAN. By this way we will be able to follow the shipment.

## Accessories

Slide	P/N 918TS0127	
<p>The Slide includes a ¼-20 nut. Can be attached with 2 x M4 on left, right, top and back of the CineMonitorHD</p>		
Clamp for Slide	P/N 918TS0131	
<p>Firmly secures the CineMonitorHD on a Spigot.</p>		
3D SWING ARM Strong with Clamp for slide	P/N 918TS0148	
<p>Includes a Clamp for slide, adapted on a 3D-SwingArm, reinforced for the CineMonitorHD, a 3/8-16 thread allows to fix the sytem to the camera.</p>		
Carbon Handle	P/N 918TS0071	
<p>The Slide includes a ¼-20 nut. Can be attached with 2 x M4 on left, right, top and back of the CineMonitorHD</p>		

<p>Carbon Handle</p>	<p>P/N 918TS0151</p>	
<p>This new carbon handle fits on the Shoulder strap pins.</p>		
<p>Shoulder strap pin (2 per pack)</p>	<p>P/N 918TS0143</p>	<p>Allows using Kata or Porta-Brace shoulder straps.</p>
<p>Sun &amp; Night Hood</p>	<p>6" P/N 918TS0135 8" P/N 918TS0142</p>	
<p>High Quality Sun &amp; Night Hood with movable flap.</p>		
<p>Raincover</p>	<p>6" P/N 918TS0136 8" P/N 918TS0141</p>	

Raincover	6" P/N 918TS0136 8" P/N 918TS0141	
Battery Back	P/N 918TS0137	
Standard version with V-mount. Available with PAG, ANTON BAUER or NP1 on request		
Micro fiber cloth	P/N 918TS0092	
Recommended cleaning cloth for the front glass		
Micro fiber bag	P/N 918TS0144	
Protect during transportation and on camera between takes.		
Power Supply AL24	P/N 918TS0040	

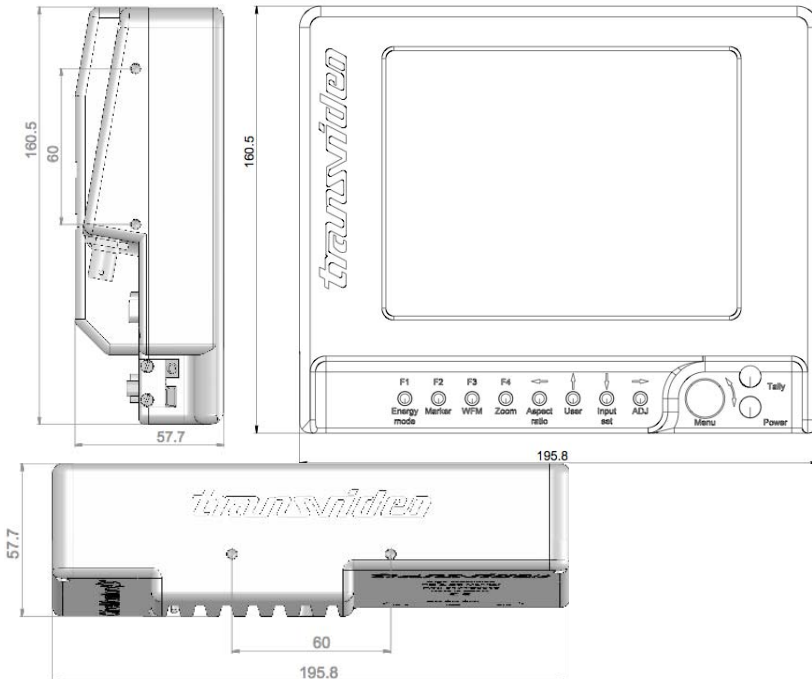
# Specifications

## **Common Characteristics**

Parameter	Value	Unit
Supported HD standards	720p 1080p, i, psF	
Supported SD standards	NTSC-M / NTSC-J NTSC-443 PAL-M PAL-BG SECAM PAL-N	
Display mode	Color	
Picture resolution	Depends of the standard	
Storage temperature	-40°C +80°C	°C °F
Operating temperature	-20°C +55°C	°C °F
Display type	AMLCD	
Color calibration	D65 ITU-R BT.709-5 D56	
Color space	Rec. ITU-R BT.709-5	
Latency	Less than 1 frame in 1080 I and PsF, SD. Less than 1 image in 720 and 1080 p	

## Specific - CineMonitorHD6

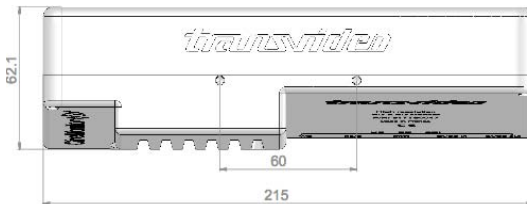
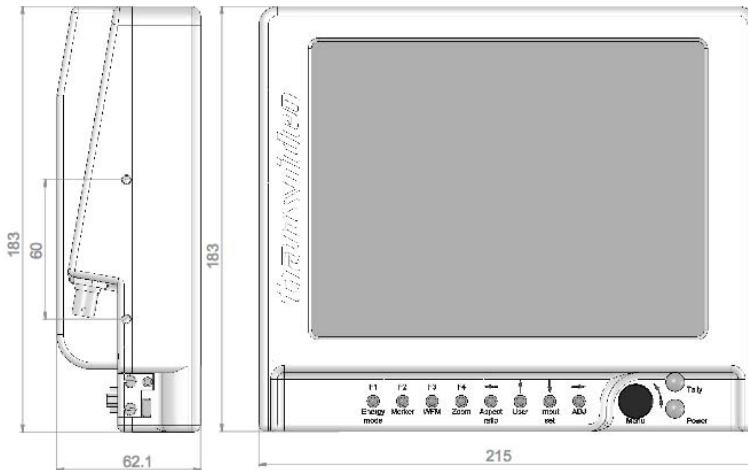
Parameter	Value	Unit
Dimensions	d58 x w195 x h160	Centimeter
	d2.30 x w7.70 x h6.30	Inches
Weight	1250 / 2.8	Gram / Lb
Power consumption	16.5	Watt
Power range	10 - 36	Volts DC
Brightness	350	NIT
Contrast ratio	500 : 1	-
Sight angle	±70 H +70/-60V	°





## Specific - CineMonitorHD8

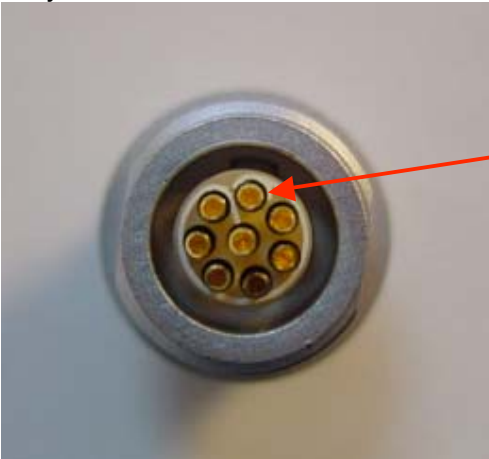
Parameter	Value	Unit
Dimensions	d62 x w215 x h183	Centimeter
	d2.44 x w8.46 x h7.20	Inches
Weight	1680 / 3.7	Grams / Lbs
Power consumption	17.5	Watts
Power range	10 - 36	Volts DC
Brightness	450	NITs
Contrast ratio	500 : 1	-
Sight angle	±80 H&V	°



# Connectors

TRANSVIDEO manufactures high quality cable assemblies and custom cables.  
We encourage you to use original cables.  
TRANSVIDEO cannot be liable for use of defective cables.

## Accessory connector



- 1 GND
- 2 10 to 36 IN/OUT
- 3 Y/CVBS2
- 4 GND VIDEO
- 5 Pr
- 6 Pb
- 7 Run
- 8 GND Run



Mating plug:  
LEMO8  
FGG1B308CLAD62

# TRANSVIDEO Equipment Limited Warranty

TRANSVIDEO S.A gives the warranty set forward below.

The limited warranty is only effective upon presentation of your Bill of Sale or other proof of purchase.

TRANSVIDEO equipment is warranted under normal use, against defective materials or workmanship as follows:

**Parts:** Defective parts will be exchanged for new parts or comparable rebuilt parts for a period of TWO YEAR from the date of original purchase.

**Labor:** For a period of TWO YEAR from the date of original purchase, labor will be provided free of charge by our factory service centers or designated service facilities located in country where the product have been purchased, or by the factory.

When returning equipment under this warranty, you must pre-pay the shipping charges, and you must enclose the Bill of Sale or other proof of purchase with a complete explanation of the problem. During your TWO-YEAR warranty period, repairs will be made and the equipment return-shipped to you free of charge. After your warranty period is over, you will be given an estimate of the cost of repair and an opportunity to approve or disapprove of the repair expense before it is incurred. If you approve, repairs will be made and the equipment return shipped to you. (shipping charges apply). If you disapprove, we will return-ship the equipment at no charge to you. (shipping charges apply). Non-Transvideo brand peripheral equipment and software which may be distributed with Transvideo products are sold "AS IS" without warranty of any kind by Transvideo, including any implied warranty regarding merchantability or fitness for a particular purpose. The manufacturer or producer gives the sole warranty with respect to such non-transvideo brand items

Thereof :

Transvideo shall have no responsibility under this limited warranty for use of Transvideo product in conjunction with incompatible equipment or peripheral equipment.

In order to obtain warranty service, contact the authorized Transvideo retail dealer from whom you purchased the product or contact the factory :

By phone +33 2 3232 2761

By fax +33 2 3260 1479

By email [service@transvideo.fr](mailto:service@transvideo.fr)

You will be directed to the nearest service facility for your product.

If there is no service facility in your region, you will receive a RAN (Return Authorization Number) and instruction to return your product to the factory.



This Limited Warranty covers all defects encountered in normal use of the equipment and does not apply in the following cases:

Loss or damage to the equipment due to abuse, mishandling, accident, improper maintenance, or failure to follow operating instructions;

If the equipment is defective as a result of leaking batteries, sand, dirt or water damage; if defects or damages are caused by the use of unauthorized parts or by service other than our authorized agent.

This Limited Warranty does not cover cabinet (exterior finish).

This warranty does not cover units sold to military operations or avionics. These uses are covered only by such specific warranty as Transvideo may issue with such sales.

This Limited Warranty does not apply to accessories or consumables for the product, which are sold "AS IS", without warranty of any kind by Transvideo.

Please retain this warranty card and your Bill of Sale as a permanent record of your purchase. This card is most important in order to be sure you are contacted right away should there be a safety inspection, modification or product recall under applicable laws or regulations.

NO IMPLIED WARRANTY, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE APPLIES TO THIS EQUIPMENT AFTER THE APPLICABLE PERIOD OF EXPRESS WARRANTY OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS EQUIPMENT SHALL BIND THE UNDERSIGNED.. TRANSVIDEO SHALL NOT BE LIABLE FOR LOSS OF REVENUES OR PROFITS, EXPENSE FOR SUBSTITUTE EQUIPMENT OR SERVICE, STORAGE CHARGES, LOSS OF DATA, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THE PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF TRANSVIDEO HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST TRANSVIDEO BE GREATER THAN THE PURCHASE PRICE OF THE P>RODUCT SOLD BY TRANSVIDEO AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, YOU ASSUME ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO YOU AND YOUR PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF USE, MISUSE OR INABILITY TO USE THE PRODUCT NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF TRANSVIDEO. THIS WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS EQUIPMENT.

Notes

Notes



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