CineMonitor HD 3DView
Operator Manual

Rev. 1.1
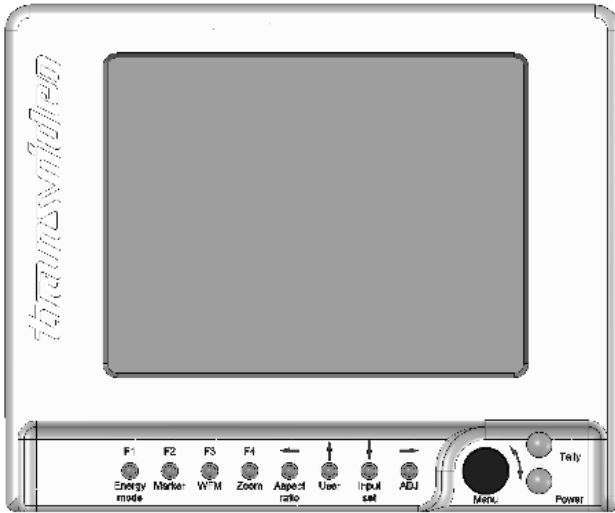March 18ᵗʰ 2009
Doc ref: 751TS0025

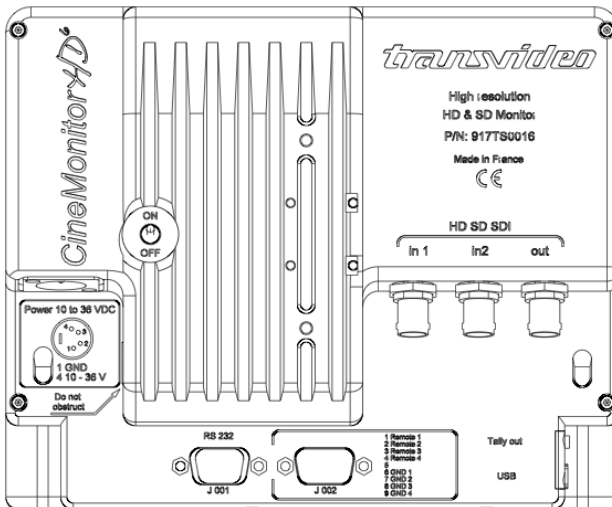Figure 1 - CineMonitorHD6 3DView front

Figure 2 - CineMonitorHD6 3DView back (SDI Only)

About

This Operator Manual describes the use of the TRANSVIDEO CineMonitorHD 3D View family.

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

The CineMonitorHD is our contribution to the Digital Cinematography Stereographic world.

The CineMonitorHD 3DView family includes the following products:

CineMonitorHD⁶3DView	6"	3D-HD Monitor SuperBright
CineMonitorHD¹²3DView	12"	3D-HD Monitor SuperBright
CineMonitorHD¹⁵3DView	15"	3D-HD Monitor SuperBright

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

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 stereographic film making concept.

Table of content

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. Very high voltage are present in the unit, there is some risk of electric shock if opened by a non accredited technician.

Condensed Operating Instructions

① Connect an adapted power supply to the XLR connector or a battery if any socket available.
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"

IMPORTANT:
To use the 3D View, the cameras must be genlocked.
The CineMonitorHD 3DView gives the 3D functions with the following formats:

> **1080i, PsF**
> **720p**

The 3D functions are not available with 1080p even if it is possible to visualize independently the video signal.

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. A bad quality or wrong-wired cable can damage your equipment and/or create interferences. 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 Ω connectors must be used. Damaged cables must not be used with this equipment.

Product Overview

Front Panel Controls and Indicators
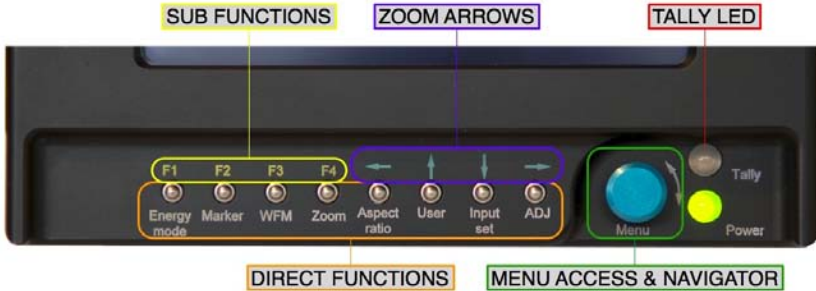
Rear Panel Controls and Connectors
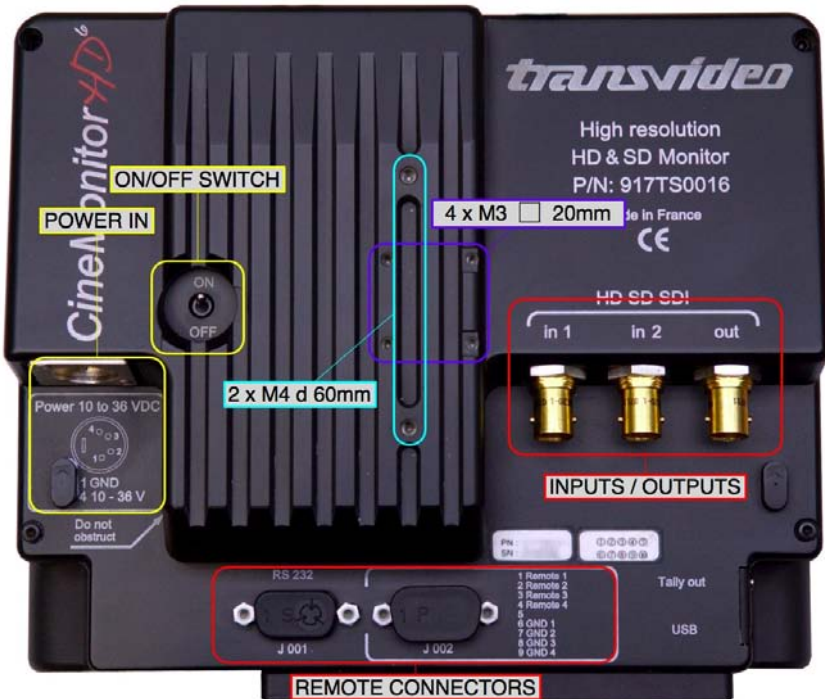
Installation

The CineMonitorHD 3DView 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 persons working on the same location.

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

① A slide with a ¼-20" 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 3DView 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

Recommended power adaptors:

CineMonitorHD⁶ 3DView   TRANSVIDEO AL24

CineMonitorHD¹² 3DView   TRANSVIDEO AL60 (11-36 VDC)

CineMonitorHD¹⁵ 3DView   TRANSVIDEO AL60 (11-36 VDC)

The power voltage range is extremely wide from 10 to 36 V DC (except specified).
The power consumption slightly 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 insulation.
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, the 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 access to the functionalities.
One long press (more than 2 seconds) on the pad allows 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 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 an orange text, un-activated function is displayed in white. In some specific case, F4 can extend the selection to a second page of sub-menu.

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)

Some feature described in this manual could be optional.
If your monitor do not show the feature described in this manual, please check first if you bough the described option. You can contact your distributor to upgrade your product and/or to install some optional tools.

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

The MANUAL settings are adjustable in MENU/COLORIMETRY/MANUAL

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 unavailable depending of the input format.

F1:   4:3
F2:   14:9
F3:   16:9
F4:   ->

Next page
FI: SAFE area
F2   3D Grid*
F4:   <-

The grid is available in 3DView mode and is a specific tool for stereographic work.
It is a vertical parallel grid with adjustable width between the lines.
During selection, it is possible to offset the position of the grid by turning the blue knob. In zoom mode the grid is sized to the native resolution.
By pressing shortly the "MARKER" pad when the grid is displayed, it is possible to modify the step of the grid from 10 to 64 pixels.

Blue knob

To adjust the step of the 3D Grid when pushing shortly on MARKER and with grid selected.

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 TOOLS/LIMITS MENU, the same limits are used for the waveform monitor and the histogram representation. Setting these limits is useful to have a visual alert on the waveform and histogram representation of the video signal if there is a risk of overexposure or of loss of black details.

F1:   Waveform
F2:   Histogram
F3:   Vectorscope

Selecting F1 gives access to an 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

In 3DView mode, the representaion of SDI1 and SD2 are superimposed.

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; rotating the blue knob can allow fine adjustment.

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

During the zoom mode a pictogram is displayed in the right side of the tool zone.
This pictogram indicates the relative position of the magnified zone in the original picture.

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:   EXPO
       Access to the OverExposure Control as configured in MENU/TOOLS/LIMITS/…

F4:   ->
       Jump to next page

Page 2

F1:   MEM
       Access to the Memory menu

F2:   Horizon*

F3:   <-
       Jump to previous page

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

INPUT

Selects the input and gives access to the 3DView mode.
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)

CineMonitorHD 3D View

F1:   SDI 1
F2:   SDI 2
F3:   3D View

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".

Attention:
To use the 3D View mode, the cameras must be genlocked.
The CineMonitorHD 3DView gives the 3D functions with the following
formats:
        1080i, PsF
        720p

The 3D functions are not available with 1080p even if it is possible to
visualize independently the video signal.

ADJUST

Select BRIGHTNESS, CONTRAST, SATURATION by pressing the pad.
Adjust the value by rotating the blue knob
Validate by pushing the blue knob

Important:

The settings are different for each input.
All settings are stored in setup memories.
There is one memory per input.
That means you can setup the ACCessory input differently of the SDI
input. It is useful with some specific digital cameras offering a viewfinder
menu and a HD SDI preview output.

MENU FUNCTIONS

ADJUSTMENTS

BRIGHTNESS

Setup the black level of the signal from -174mV to +174mV 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, nominal 1.00) and offset of the black (-127mV to + 126mV, nominal 0 mV).
The nominal value in manual mode correspond to the D65 setup.

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

$$Vc = Vs^{\left(\frac{1}{\gamma}\right)}$$

Where Vc represents the displayed signal and Vs is the incident signal.
The correction is applied with a simulated response of CRT.

GAMMA ADJUST

Allows continuous adjustment $0.3 < \gamma < 2.5$
The indicated value is for the corrected signal and do not indicate the
monitor's gamma.

STANDARD 0.45

Set the monitor to reproduce linearly a signal corrected by a γ of 0.45

Use in LINEAR

To use the monitor in linear mode, adjust the gamma to 1.00

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 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

FRAMELINE

This option allows displaying one locating cross and up to 3 programmable frames with or without center marker and a matting generator.

The menu shows different levels:

CROSS
> CROSS ON/OFF
> *Activation of the cross*
> WIDTH
> *Modification of the thickness of the lines*
> COLOR
> *Modification of the color of the lines*
> V POS
> *Move the vertical position of the cross*
> H POS
> *Move the horizontal position of the cross*

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*
> SEND TO CENTER
> *Send the selected frame to the center of the screen.*
> V SIZE

Size of the frame (bottom part is moving)
H SIZE
Size of the frame (right part is moving)
V POS
Vertical position of the frame
H POS
Horizontal position of the frame
V ZOOM
Homothetic vertical modification of the frame
H ZOOM
Homothetic horizontal modification of the frame

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 (if option installed)

This option allows displaying a virtual horizon on the screen.

The menu shows different levels:

NORMAL / REVERSE
Toggles the action of the horizon, normal or reversed.

SENSITIVITY
Adjusts the sensitivity of the virtual horizon (True, X2, X4, X8, X16).

STYLE
Allows to display or not the Horizon on the monitor.
Selects the style of the virtual horizon (6 different models).
Selects the presence or not of the horizon.

0 CAL
Set the horizon to 0
A temporization of 5 seconds allows stabilizing the position of the system.
Pushing the blue knob during calibration exits the timing.

LIMITS

The limits menu is a very important item of the CineMonitorHD family.
It is used to setup the characteristics of the camera you are using and some safety levels which will be used in different tools.

MAX LEVEL

Set up the upper clipping level (White).
Adjustment goes from 69 IRE to 108 IRE
All information over the limit will be displayed in red on the waveform and the overexposed zone on the picture if the OVEREXPOSURE is activated.

MIN LEVEL

Set up the low clipping level (Black.
Adjustment goes from -7 IRE to 35 IRE.
All information below the limit will be displayed purple on the waveform and medium blue on the underexposed zone on the picture if the "black limits" is activated.

WHITE CLIPPING

Set up the upper clipping level (White) on the waveform.
Adjustment goes from 69 IRE to 108 IRE
All information over the limit will be displayed in orange on the waveform and the overexposed zone on the picture if the OVEREXPOSURE is activated.

BLACK CLIPPING

Set up the lower clipping level (Black) on the waveform.
Adjustment goes from -7 IRE to 35 IRE
All information below the limit will be displayed blue on the waveform and dark blue on the underexposed zone on the picture if the "black limits" is activated.

SORIN's MARKER

Sorin Dragoi is a German Director of Photography, he suggested this tool, which he is using to check the exposure on skin tone.

The Sorin'sMarker is a mobile zone between the white and the back clipping. It is possible to adjust its position and its thickness (or width).

The zone is displayed in green.

SORIN's MARKER WIDTH

Adjust symmetrically the thickness of the marker within the limits of the white and black clipping values.

OVEREXPOSURE: ON/OFF

Switch ON or OFF the overexposure control.
The MAX LEVEL and the WHITE CLIP are displayed in false colors when activated.

SORIN'S MARKER: ON/OFF

Switch ON or OFF the Sorin's Marker.
The Sorin's area is displayed in false colors when activated.

BLACK LIMITS: ON/OFF

Switch ON or OFF the black limits control.
The MIN LEVEL and the BLACK CLIP are displayed in false colors when activated.

MEASUREMENT

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 the all picture.

SPOT INTENSITY

Adjusts the brightness of the waveform spot

RETICULE INTENSITY

Adjusts the brightness of the waveform reticule

TALLY

This option allows the use of the TALLY function.
The Tally is activated via the pin 1 and 6 of the GPI connector J002.

The menu shows different levels:

ACTIVE LOW/HIGH
Sets the state for TALLY ON

LED ON/OFF
Activates/deactivates the TALLY LED on the front panel.

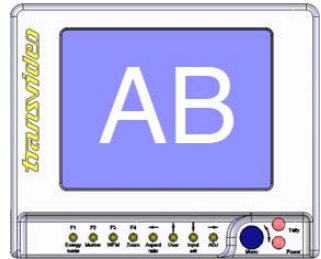TALLY BLINKING/FIX
Sets the active mode in TALLY ON

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.

PICTURE FX

This menu is not available in 3DView mode.

NORMAL

Restores the standard display
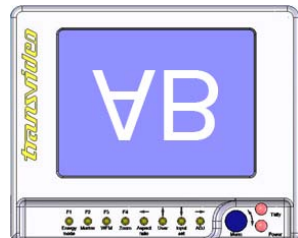

HORIZONTAL FLIP
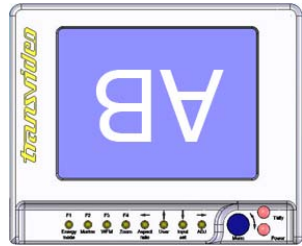
Returns horizontally the picture.
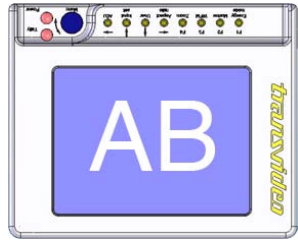

VERTICAL FLIP
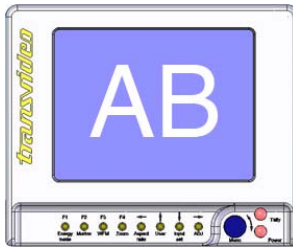
Returns vertically the picture.

PICTURE REVERSE

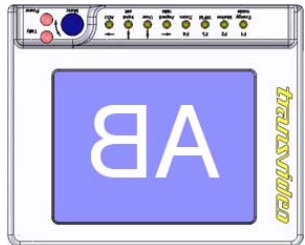Returns horizontally and vertically the picture.

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
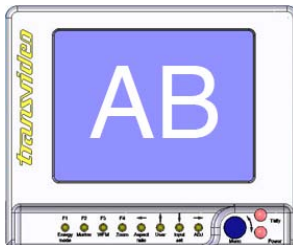
3D

This menu is only available in 3DView mode

MODE

3 possibilities are available by pressing the blue knob when the line is highlighted.
When used, the settings of this menu overpass the settings of "DISPLAY MODE" menu settings

SHUTTER GLASSES
The 2 pictures are displayed in alternance.
The optional Shutter Glasses module synchronizes the shutter glasses.

ANAGLYPH
Only the selected monochromatic component of left camera (SDI 1) is displayed
Only the complementary components of right camera (SDI 2) are displayed
The pictures are interleaved.
To visualize the 3D effect, it is necessary to use specific glasses.
The colors used in this mode depend of the settings of COLORS

MONOCHROME
The left camera (SDI 1) and right camera (SDI 2) are displayed in monochrome.
The colors used in this mode depend of the settings of COLORS

This mode is useful to visualize the fringes between the 2 pictures.

COLORS

3 modes are available.

Eye	Left Eye	Right Eye
Input	SDI 1	SDI 2
Mode 1	RED	CYAN
Mode 2	GREEN	MAGENTA
Mode 3	BLUE	YELLOW

To visualize correctly the 3D effect in ANAGLYPH, it is necessary to use the color-coded glasses accordingly to the selected mode.

VERTICAL FLIP (FLOP)

A push on the blue knob activates or deactivates the vertical flip of the right camera (SDI2)
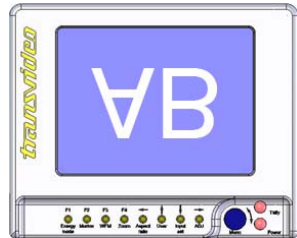
HORIZONTAL FLIP

A push on the blue knob activates or deactivates the horizontal flip of the right camera (SDI2)
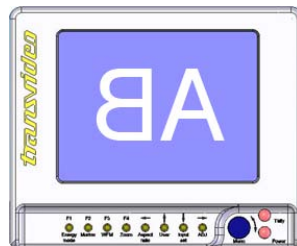
It is possible to activate simultaneously the FLIP and the FLOP

HORIZ SHIFT SDI2

Turning the blue knob when the line is selected allows to shift the SDI2 picture.

Attention: this function shall be used carefully as misinterpretation on the result may occur.

DISPLAY MODE

When used, the settings of this menu overpass the settings of
"3D/MODE" menu settings

COLOR

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

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

REVERSE SCROLLING

Allows to reverse the blue knob incrementation.

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 off completely the "POWER ON" Led.

MEMORY

MEM 1 … MEM 4

4 user memories per input (SDI 1, SDI 2, 3DView) 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 are 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 or use the PRODUCT RETURN chapter.

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, firmware and hardware versions are indicated at the startup on the screen. These informations are 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.

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	
The Slide includes a ¼-20 nut. Can be attached with 2 x M4 on left, right, top and back of the CineMonitorHD		
Clamp for Slide	P/N 918TS0131	
Firmly secures the CineMonitorHD on a Spigot.		
3D SWING ARM Strong with Clamp for slide	P/N 918TS0148	
Includes a Clamp for slide, adapted on a 3D-SwingArm, reinforced for the CineMonitorHD, a 3/8-16 thread allows to fix the system to the camera. (adapters exist for ¼-20 and metric Ikegami cameras.		
Cardon Handle	P/N 918TS0151	
This carbon handle fits on the Shoulder strap pins.		

Shoulder strap pin (2 per pack)	P/N 918TS0143	
Allows using Petrol, Kata or Porta-Brace shoulder straps.		
Sun & Night Hood	6" P/N 918TS0135	
High Quality Sun & Night Hood with movable/removable flap.		
Sun & Night Hood	6" P/N 918TS0157	
High Quality Sun & Night Hood with 4" extension.		
Light Hood	6" P/N 918TS0161	
Light Lexan® hood to use on Steadicam applications.		
Raincover	6" P/N 918TS0136 8" P/N 918TS0141	

CineMonitorHD 3DView

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	
Protects during transportation and on camera between takes.		
Power Supply AL24	P/N 918TS0053	
For CineMonitorHD 6		
Power Supply AL60	P/N 918TS00	
For CineMonitorHD 12, 15		
3D ANAGLYPH GLASSES	P/N 918TS0164	

Specifications

Common Characteristics

Parameter	Value	Unit
Supported HD standards	720p 1080p, i, psF	
Display mode	Color	
Picture resolution	Depends of the standard	
Storage temperature	-40°C +80°C	°C
Operating temperature	-20°C +55°C	°C
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 3DView

Parameter	Value	Unit
Dimensions	d58 x w195 x h160 d2.30 x w7.70 x h6.30	Centimeter Inches
Weight	1250 / 2.8	Gram / Lb
Power	10– 36 / 15.5 SBL	Volts DC/watts
Brightness	1000	NIT
Contrast ratio	600:1 SBL	-
Viewing angle	±80H +60-80V	°

Specific – CineMonitorHD12 3DView

Parameter	Value	Unit
Dimensions	d68 x w298 x h285 d2.67 x w11.7 x h11.2	Centimeter Inches
Weight	3700 / 8.1	Grams / Lbs
Power	11 – 36 / 32	Volts DC/watts
Brightness	1000	NITs
Contrast ratio	500 : 1	-
Viewing angle	±85 H, +70-80V	°

Specific – CineMonitorHD15 3DView

Parameter	Value	Unit
Dimensions	D68 x w344 x h303 d2.67 x w13.54 x h11.92	Centimeter Inches
Weight	4850 / 10.6	Grams / Lbs
Power	10– 36 / 50	Volts DC/watts
Brightness	1200	NITs
Contrast ratio	500 : 1	-
Viewing angle	±85 H, +70-80V	°

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.
GPI CONNECTOR J0002
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)
J002/4 HORIZON "0" LEVEL (calibrate with a temporary contact)
J002/6,7,8,9 GND for pins 1,2,3,4

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 YEARS from the date of original purchase.

Labor: For a period of TWO YEARS 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-YEARS 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

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 PRODUCT 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.

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