

transvideo

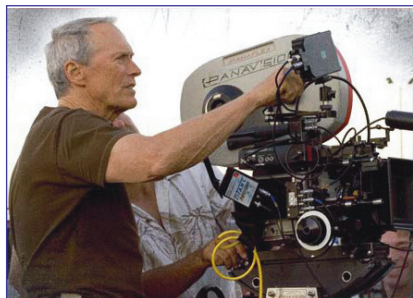
Equipment for Film and Digital Cinematography - Avionics Systems

PRODUCT LINE

September 2019



Multiformat Monitors
3DView Monitors
Wireless Systems



Clint Eastwood, Actor, Filmmaker



Transvideo Team, OSCAR awards

35 years of Contribution to the Film Industry

Since 1985, TRANSVIDEO has designed and manufactured lcd flat-panel monitors, video-assist accessories, format converters, wireless video-transmission systems for HD and SD, and camera accessories for Film and Digital Cinematography, S3D stereography, and HDTV.

Through constant Research & Development, Transvideo has an unmatched expertise in professional displays.

TRANSVIDEO is a pioneer of 3D Stereography with its 3DView monitor, an unique toolbox for Digital Stereographers.

The LensReader™ displays graphically lens data from Cooke /i, Arri LDS lenses, Angénieux Optimo DP /i and Fujinon LDS & /i lenses.

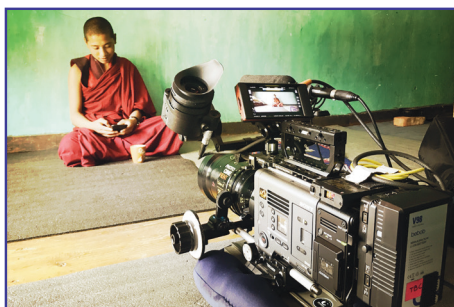
The **RainbowHD** prefigures the small hd lcd screens that have been announced in 2013.

Currently exporting from its French headquarters, throughout the five continents, Transvideo is supported by a network of distributors and agents.

Transvideo monitors are on-board the Airbus A32x series and A380 in-cockpit or passenger cabin.



Alain Deroche, DoP
Wim Wenders, Filmmaker



Thomas Balmès, Cinematographer
Credit : Sing me a song - Participant Média

1990

Transvideo introduced the **first professional Flat Panel Monitor** to the Broadcast Industry: **LCM06-HR**. 25 years later most of these monitors are still in use.



1991

Introduction of the **LCM06HB** the first High Brightness monitor for filmmaker

1994

Introduction of the **Rainbow 5"** Monitor.

Sales & PRIMEX awards for our International Sales Strategy.

2007

Introduction of the **CineMonitorHD** with Real Frame Rate (RFM™) processing that allows true monitoring of in-camera images.



2008

Creation of the **CineMonitorHD 3DView** monitor for 3D-Stereoscopic filmmakers. **TV Technology Star Award** for Best Advanced Technology.



2009

Introduction of the **TitanHD**, HD Wireless system.

Transvideo receives a **Scientific and Technical Award from AMPAS™** for the creation of professional flat panel displays and constant improvement of monitoring for video-assist in filmmaking .

Vidy Award for the **CineMonitorHD 3DView**.



2010

Introduction of the **CineMonitorHD 3DView S** 3D field monitor with Synchronizer, a real revolution in the DSLR shooting world.

Cinec Award for the **3DView S**.

2012 - 2014

Introduction of the **RainbowHD** for advanced film cameras.

Introduction of the **CineMonitorHD6 XSBL** for Steadicam world.

Introduction of the **StarliteHD** Monitor-Recorder with Oled screen.

Introduction of the **CineMonitorHD8 XSBL** with 1500 Nits screen.



2016

Cinec Award for the **StarliteHD5-ARRI** Monitor-Recorder with Oled screen that remotes ARRI ALEXA-Mini & AMIRA.

Introduction of the **TitanHD2** Wireless HD system.

Introduction of the **Stargate 7"** full HD monitor with advanced functionalities.



2019

Upgrade of the **CineMonitorHD Evo3** to **UHD 4K 6G**

Service is everything



First of all, Service to help you choose the right equipment and the right accessories for your specific work. Then Service to help you master your new Transvideo acquisition.



Our customer support team can help you online, by emails or by phone. You are also welcome to visit our factory if you are in France. Our Distributor network has been trained and selected to offer professional resources and services. Do not hesitate to contact your local Transvideo agent, he is a great professional.

support@transvideo.eu **+33 (0)2 3222 3000**



For you as a professional, speed is essential. More than 80% of our products are available on stock, for immediate shipping.



All Transvideo products are covered by a 2 years limited warranty unless otherwise noted. Get a 3rd year of warranty for free by registering your product online within the first month of the purchase. The terms and conditions of the warranty are available to see at www.transvideo.eu/warranty.

Transvideo Website

transvideo.eu

Like thousands of other professionals, register online with Transvideo and enjoy the following benefits: with your free Transvideo account you can order your products online, have access to our support service, [download the latest software updates](#) and operator manuals, and much more...

Eco Responsibility



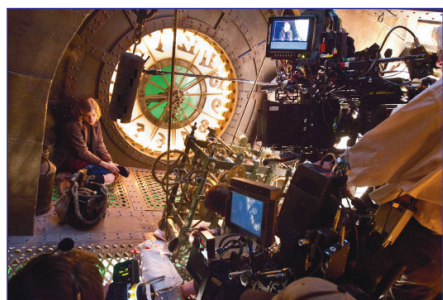
At Transvideo we are committed protecting the environment from the development of a new product to its shipping and its recycling.

The durability of our products is essential for you as an owner. We keep your product up to date and state of the art by proposing upgrades and updates. Your products are delivered in rugged Pelican cases, thereby minimizing useless packaging while ensuring safety during transport.

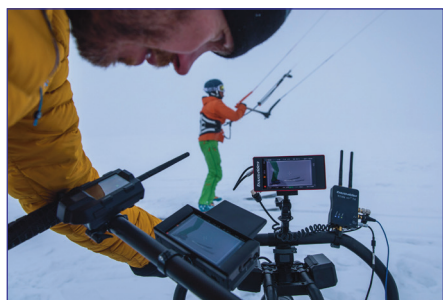
If you want to recycle your old Transvideo, please send it back to the factory in France.



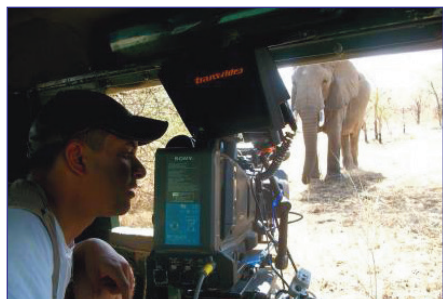
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StarliteHD-m “Metadator”

5" OLED 3G/HD/SD - SDI Monitor-Recorder
with metadata aggregator



Applications

Digital Cinematography

Broadcast

High Speed Digital Camera

Handheld rigs & Steadicam™

Manufacturing quality

The **StarliteHD-m** housing is extremely rugged, machined in aviation-grade aluminium



Small monitor with the necessary tools, whatever the job.

The Missing Link between Cameras, Lenses, Post Productions & VFX.

Simple to use - no hassle to set-up.

Simple MultiCam use with one monitor per camera.

Files generated on the monitor are immediately imported and processed, providing a non-negligible gain of time.

The **StarliteHD-m**, with metadata agregator is really an electronic toolbox

For focus puller - zoom, peaking, focus puller view

For script assistant - Record/Playback on standard SD cards, Lens Reader, metadata view, PDF report

For the user of stabilized equipment - VirtualHorizon

For post-productions & VFX - Provides Zeiss "ZLCF version 3" lens files. Lens files compatible with NUKE, Adobe After Effects and Adobe Premiere Pro compositing software.



Features

The essential power of the **StarliteHD-m** resides in its ability to gather information from the different smart devices it is connected to. A set of cable is all you need.

Compatible with all cameras providing an SDI output.

Possibilities and functionalities vary depending on the camera and lens type associated to the **StarliteHD-m**.

Metadata transmitted through the SDI cable

From a SDI signal, the **StarliteHD-m** is capable of decoding lens information packaged by LDS (Ari) or RDD18 (Sony) protocols, TimeCode, REC flag etc...

Camera information through the Ethernet cable

ARRI, Panasonic, RED and Sony protocols are integrated.

From an Ethernet connection, gathered data are extremely useful to populate lens files, particularly Zeiss files which require extended data. This link also helps to complete the information missing on the SDI metadata extracted by the **StarliteHD-m**.

Lens data through the serial adapter cable

From an RS232 connection, the **StarliteHD-m** knows how to process data from/I compatible lenses: Cooke, Zeiss, Angénieux and new Fujinon Premista series. This link is therefore dependent on the lens used, not on the camera.

It gives access to advanced data - shading, distortion, inertial data and illumination tables - only available through a physical link.

Lens concerned are the Cooke supporting /i³, and new Zeiss XD family. Development of post-production plugins and media management software allow the processing of such data.

Intuitive interface with built-in tools

Smart corners for user assigned tools

Zoom zone (tap to zoom and slide to move the zoomed picture)

Rec zone

H & V Flip

Configuration App & File

REC Start/Stop from touch interface

Arri & RED compatible

ARRI mode

The **StarliteHD-m** remotes the ALEXA Mini and the AMIRA through a specific menu activated when the monitor is connected to the EXT connector of the camera.

Measurements

Waveform, Histogram, Vectorscope



Focus

Focus Puller view

Peaking

Zoom 1:1 (px to px), Slide in Zoom, Centered Zoom

Metadata view & reports, LensReader (Cooke, Zeiss)

Aspect Ratio

4:3, Anamorphic Desqueeze 1.3x, 2x

Record & Play

REC on SDI, Auto REC, Snapshot, Playback,
Output converter (H264 to MP4 or MKV)

And more

VirtualHorizon, PDF reports,...

Technical specifications	
Video Input	1 x 3G/HD/SD - SDI
Video Output	1 x 3G/HD/SD - SDI
Supported Standards	3G: 1080 / 48p, 50p, 60p Level A and Level B HD: 1080 / 50i, 60i 1080 / 24p, 25p, 30p 1080 / 24psf, 25psf 720 / 25p, 30p, 50p, 60p SD: 525 / 60i 625 / 50i
Recorder	.H264 - with possibility to replay and convert
Display Type & Size	AMOLED - 5 inches
Pixels	1280 x 720
Contrast Ratio Viewing Angle Brightness	3400:1 ±80° H & V 380Nits
Color Temperature	D56
AvengerLeveler TM	Yes (VirtualHorizon)
Power	6-30V DC power input through Lemo5 "0B"
Power Cons.	6W nominal
Battery Socket	Sony type L
External SD Card	Yes (up to 512 GB compatible)
Dimensions (l x h x d)	144 x 68 x 37 mm 5,66 x 2,67 x 1,45 inc
Weight	270g, 0.6lbs

How does it work?



HD-SDI

TC

Ethernet

Lens Metadata

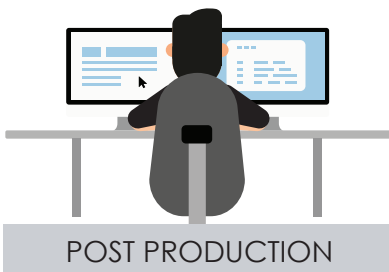


eXtended Data Plug-in

For Blackmagic Design DaVinci Resolve
For Adobe After Effects and Premiere Pro
For Nuke

POMFORT^{fn} Plug-in

Silverstack / Silverstack XT
Silverstack Lab
LiveGrade Pro



StarliteHD+ / StarliteHD+ ARRI

5" OLED 3G/HD/SD - SDI Monitor-Recorder

ARRI camera interface for **StarliteHD+ ARRI**



Applications

Digital Cinematography

Broadcast

High Speed Digital Camera

Handheld rigs & Steadicam™

Manufacturing quality

The **StarliteHD+** is built to last with an aluminium machined body, light weight and small size



Saves your work & your time

An excellent choice whatever the job.

Light weight and small size.

Customizable interface

Uses the power of the touchscreen panel to get rid of endless menus.

The **StarliteHD+** is a versatile toolbox finding its place on the most exigent sets :

For focus puller - zoom, peaking, focus puller view, ...

For script assistant - Record/Playback on standard SD cards, Lens Reader, metadata view, PDF reports, ...

For user of stabilized equipment - VirtualHorizon, ...



"In addition to my CinemonitorHD8 XSBL, I have two StarliteHD+ ARRI. One of them is permanently mounted on top of my stead. It allows low mode quick switching. With its autorec feature I can replay records between shoots without going to the video village. I save my time, I save my work, I got comfort."

"My Transvideo monitors are exposed to full sun, rain, and cold conditions. They eat dust and moisture... and they always work. I think as well as many Camera and Steadicam Operators that Transvideo manufactures the most adapted tools for our job."

"And finally, I really like this brand with its Made in France"

Damien Tessandier, Steadicam Operator, A.F.C.S

About CinemonitorUHD and StarliteHD+ ARRI

Credit : @Stéphanie Branchu

Features

Intuitive interface with built-in tools

Smart corners for user assigned tools

Zoom zone (tap to zoom and slide to move the zoomed picture)

Rec zone

H & V Flip

VirtualHorizon, PDF reports

Configuration App & File, ...

ARRI mode

The **StarliteHD+ ARRI** remotes the ALEXA Mini and the AMIRA through a specific menu activated when the monitor is connected to the EXT connector of the camera

Measurements

Waveform, Histogram, Vectorscope

Focus

Focus Puller view

Peaking

Zoom 1:1 (px to px), Slide in Zoom, Centered Zoom

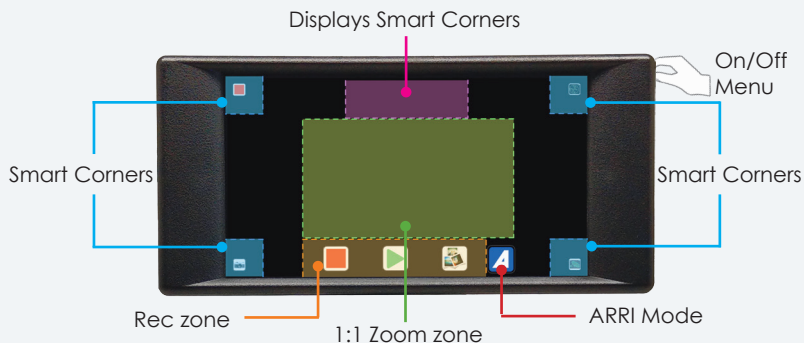
Metadata view & reports, LensReader (Cooke, Zeiss)

Aspect Ratio : 4:3, Anamorphic Desqueeze 1.3x, 2x,

Record & Play features

REC on SDI, Auto REC, Snapshot, Playback, Output converter

Possibilities and functionalities may vary depending on the camera. The **StarliteHD+ ARRI** is compatible with any other cameras with standard functionalities.



StarliteHD home view

Technical specifications

Video Input	1 x 3G/HD/SD - SDI	
Video Output	1 x 3G/HD/SD -SDI	
Supported Standards	3G: 1080 / 48p, 50p, 60p Level A and Level B HD: 1080 / 50i, 60i 1080 / 24p, 25p, 30p 1080 / 24psf, 25psf 720 / 25p, 30p, 50p, 60p SD: 525 / 60i 625 / 50i	
Recorder	.H264 - with possibility to replay and convert	
Display Type & Size	AMOLED - 5 inches	
Pixels	1280 x 720	
Contrast Ratio Viewing Angle Brightness	3400:1 ±80° H & V 380Nits	
Color Temperature	D56	
AvengerLeveler TM	Yes (VirtualHorizon)	
Power	5-30V DC power input through Lemo2 "0B" for standard version	6-30V DC power input through Lemo5 "0B" for ARRI version
Power Cons.	6W nominal	
Battery Socket	Sony type L	
External SD Card	Yes (up to 512 GB compatible)	
Dimensions (l x h x d)	144 x 68 x 27 mm 5,66 x 2,67 x 1,06 inc	
Weight	<200g, 0.5lbs	

Stargate

7" 3G/HD - SDI LCD Monitor Recorder
with **Immediate Display** technology



Applications

Perfect for Directors /DOPs / Focus Pullers

Digital Cinematography

Broadcast

Body-rigs and Steadicam™

Documentaries

Sport

Studio

Video Village

Manufacturing quality

The **Stargate** is made with precision milled aluminum housings and PMMA screen protection.



A high-end monitor and essential tool for every kind of production

The **Stargate** has a fast path processing with **"immediate display"** capabilities with no latency. You can get the camera output directly without any introduced delay, increasingly important in many shooting situations.

Pre-programmed modes called **"views"**, feature a specific set assignment for each job - no need to navigate in deep menus to find the right tools.

Full screen - shows only the picture from the first to the last line of pixels.

DIT - Measurements and tools that are displayed outside of the picture: Waveform, Vectorscope, Histogram, Audio monitoring, Video input, Video standard, Timecode, Battery / power information.

Body Rig - displays VirtualHorizon, mostly used by stabilized devices, called AvengerLeveler™.

Operator - shows a top bar with TimeCode, Battery / power information, video standard, video input

Lens Reader - reproduces, when available, the lens rings. It also displays information available in the SDI Metadata



Features

Intuitive interface with direct functions

Most of the functions are directly accessible from the keypad.

Keys illuminate when the function is activated.

When a menu is activated, the joystick allows to adjust parameters or move into the menus tabs.

Measurements

Waveform, Histogram, Vectorscope, False colors

Focus and Lens

Focus Helper, Peaking,

Zoom - Anamorphic zoom, Custom zoom, Pixel to pixel zoom (1:1)

LensReader

Color / gamma

Factory color calibrated

Input profiles (Rec 709, Log-C, Canon-Log, S-Log, Linear, HDR clipping)

Markers

Cross (Central Cross), 4:3, 14/9, Safe Area, 1.85:1, 6. 2.40:1, 16/9

User Framelines, Frame in Zoom

Anamorphic desqueeze

Record & Playback

REC, Snapshot, Playback, Output converter

3D Luts

Possibility to load external 3D LUTs

Multiple banks

Format is cube, Size is 17 (17*17*17)

Tally

Tally viewer

Activated through the REC/STOP command embedded in the SDI / external command

And more tools

VirtualHorizon,

PDF reports,

Flip (H/V Flip, Automatic Flip), ...

Anton-Bauer batteries - FuelReader TM

The FuelReader™ gives the remaining available percentage of battery and the time to run.

Technical specifications

Video Inputs	2 x 3G/HD - SDI
Video Output	1 x 3G/HD - SDI (processed) 1 x 3G/HD - SDI (reclocked)
Supported Standards	3G: 1080 / 50p, 60p Level A and Level B HD: 1080 / 50i, 60i 1080 / 24p, 25p, 30p 1080 / 24psf, 25psf 720 / 25p, 30p, 50p, 60p
Recorder	.H264, .MP4
Display Type & Size	LCD 7 inches
Pixels	1920 x 1080
Contrast Ratio Viewing Angle Brightness	1200:1 ±85° H & V 800Nits
White point calibration	D65 ITU-R BT.709-5 & D56
Color space	Rec. ITU-R BT.709-5
AvengerLeveler TM	Yes (VirtualHorizon)
Tally Viewer	Yes
Power	XLR4 connector or battery adapter (optional) 10 - 36V DC
Power Cons.	22W nominal
Battery Socket	Anton-Bauer, V-Mount (V-Lock)
External SD Card	Yes (up to 512 GB compatible)
Dimensions (l x h x d)	208.2 x 116.7 x 42.25 mm 8.2 x 4.59 x 1.66 inc
Weight	770g, 1.7lbs

CinemonitorUHD Evolution

6" to 15" 6G/UHD/3G/HD/SD - SDI

LCD Monitor with SBL+, eSBL, XSBL display



Applications

Digital Cinematography

Broadcast

High Speed Digital Camera / DSLR

Body-rigs and Steadicam™

Helicopter / Cranes / Harsh environment

Manufacturing quality

The **CineMonitorUHD Evolution** reaches new heights in manufacturing quality with precision milled aluminum housings fully sealed (no holes or noisy fans), state of the art optical glass protecting the screen and galvanic insulation for the power supply.



The ultimate toolbox for everyone on set

Outdoor or studio, from 6" to 15"

8", 10", 12", 15" eSBL, 6" SBL+ and 8" X-SBL models available.

eSBL and **X-SBL** are designed to be used indoor or outdoor, even in full sun without hood while maintaining details in both dark areas and highlights. Both series use optical bonding technology.

SBL+ is a superbright model without optical bonding.

Faithful UHD Monitoring

Featuring Transvideo's proprietary technology with RealFrameRate processing (RFR™), the **CineMonitorUHD Evolution** provides faithful monitoring of existing in-camera images with a 1-frame delay or less.

Processing technology displays crystal clear images without aliasing or motion-blurs.



" When you're shooting, you've got to feel like you're watching a movie, you're telling a story; and you have to be aware of telling that story, because that's determined by the way you're framing, by the way you're moving, by your lens choice, by your lighting choice. If the monitor is not able to give you that emotional kick, that emotional punch in the stomach, you'll lose out. If your monitor is not helping you, it's telling a blank story as well..."

My Transvideo monitor is not just an indication of where the camera is pointing, it's is my eyes. I wouldn't shoot without it."

Chris Fawcett, Steadicam Cinematographer
About CinemonitorUHD

Features

Multiple Waveforms

In line mode (Y, R, G or B component) or parade mode (RGB, GBR, YRGB, YPrPb), displays frame, 12 lines or 1 specific line waveforms.

In frame mode, shows a frame representation of Y component.

Histogram / Vectorscope

Exposure control (false colors)

Sets black & overexposure limits and other safety levels to adjust the camera. Markers may be displayed in false color on the image and/or in the measurement tools. Low- & high- lights details

Color / Gamma

Factory color calibrated (D56 / D65)

Blue check, Color / green / B&W modes

Input profiles (Rec 709, Log-C, Canon-Log, S-Log, Linear), HDR clipping

Focus Helper + Peaking

Based on a high performance multi dimensional digital filter, the Focus Helper offers 10 levels and 9 colors, helping to get a sharp focus in difficult situations

Zoom

Zoom 1:1 (pix to pix), 1.33x, 10%

Monitor reverse + picture flips

LensReader™: /i + LDS + CineTape

Reads and displays as virtual scales the metadata of /i and LDS lenses: focus with depth of field and hyperfocal point, iris and zoom (if any).

Supported lenses: Cooke™ /i lenses, Zeiss XD lenses, Arri™/Zeiss™ and Arri™/Fujinon™ LDS lenses, Fujinon™ /i Cabrio series, Angénieux™ /i lenses.

When a CineTape™ is connected to the monitor, measured distance is displayed on the focus ring.

Crosshair and Frameline Generator

1 user-adjustable cross and 3 user-adjustable framelines (9 colors, solid line, dots, dashes, corners), with or without crosshair, with or without matting (4 solid colors + 4 shades of see-through greys).

Markers, TV safe area, Anamorphic desqueeze & aspect ratios

Specific scaling for Alexa™ 4:3

Timecode

Displays the SDI embedded LTC, VITC1 or VITC2 timecode



Audio

Displays the SDI embedded audio presence for all channels. Vu-meter and Peakmeter display one audio pair of the 8 possible.

Tally

Up to 3 Tally may be displayed simultaneously, through external command or through the camera REC/STOP command embedded in the SDI. Displays a colored LED and/or an on-screen Tally (frameline, "REC" style, or a big "ON AIR" in place of the measurements).

VirtualHorizon™

VirtualHorizon™ (AvengerLeveler™) is a color coded electronic leveler with several renditions, adjustable sensitivity and direction. The leveler is driven by a built-in sensor or an external sensor.

VirtualHorizon2™ features inertia compensation.

VirtualHorizon3™ is a remote electronic "bubble level". It attaches anywhere and transmits via Bluetooth to your **CinemonitorUHD Evolution**.

And more

User memories

LCD Dimmer

Voltage control / FuelReader™ (for Anton-Bauer battery), ...

Technical specifications			
Model	6" SBL+	8" XSBL	8" eSBL
Video Inputs	1 x 6G/UHD/3G/HD/SD - SDI + Rclk out (BNC) 1 x CVBS + Loop (BNC) 1 x multi YPrPb / RGB / CVBS (Lemo8)		
Supported Standards	6G/UHD: 3840x2160 @ 23.98p / 24p, 25p, 29.97p, 30p 3G/HD: 1080p / 1080i / 1080psf / 720p 3G Level A & B @48p supported SD SDI: 525 / 625 Analog SD: NTSC (M, J, 443) / PAL (M, BG, N) / SECAM		
Display	AMLCD 1024 x 768		
Pixels	Picture zone 960 x 540		
Contrast Ratio Viewing Angle Brightness	650:1 ±80° H / +60/-80° V ^(*) ≤2000 Nits ⁽¹⁾	1000:1 ±85° H / ±85° V ^(*) ≤2500 Nits ⁽²⁾	1000:1 ±85° H / ±85° V ^(*) 1000 Nits ⁽²⁾
White Point Calibration	D65 ITU-R BT.709-5 & D56		
Color Space	Rec. ITU-R BT.709-5		
Latency	Less than 1 frame		
Power Req.	10 to 36V DC through XLR4 or battery (Anton-Bauer™ or V-Mount)		
Power Cons.	19W	32W	21W
Dimensions (l x h x d)	195 x 168 x 65 mm 7.7 x 6.6 x 2.6 inc	215 x 190 x 60 mm 8.5 x 7.5 x 2.4 inc	
Weight	1435 g / 3.2lbs	1622 g / 3.57 lbs	
Storage Temp. Operating Temp.	-40°C +80°C -20°C +55°C		

(1) Protective glass with anti reflective coating, without optical bonding
(2) Protective glass with anti reflective coating, with optical bonding
(*) The standard position of the matrix is with 6 o'clock preferred viewing angle.
An option allows to deliver the monitor with a 12 o'clock preferred viewing angle.

Technical specifications			
Model	10" eSBL	12" eSBL	15" SBL
Video Inputs	1 x 6G/UHD/3G/HD/SD - SDI + Rclk out (BNC) 1 x CVBS + Loop (BNC) 1 x multi YPrPb / RGB / CVBS (Lemo8)		
Supported Standards	6G/UHD: 3840x2160 @ 23.98p / 24p, 25p, 29.97p, 30p 3G/HD: 1080p / 1080i / 1080psf / 720p 3G Level A & B @48p supported SD SDI: 525 / 625 Analog SD: NTSC (M, J, 443) / PAL (M, BG, N) / SECAM		
Display	AMLCD 1024 x 768		
Pixels	Picture zone 960 x 540		
Contrast Ratio Viewing Angle Brightness	1000:1 ±85° H / ±85° V ^(*) 1000 Nits ⁽²⁾		700:1 ±85° H / ±85° V ^(*) 1000 Nits
White Point Calibration	D65 ITU-R BT.709-5 & D56		
Color Space	Rec. ITU-R BT.709-5		
Latency	Less than 1 frame		
Power Req.	10 to 36V DC through XLR4 or battery (Anton-Bauer™ or V-Mount)		
Power Cons.	31W	33W	51W
Dimensions (l x h x d)	256 x 227 x 86 mm 10.1 x 8.9 x 3.4 inc	298 x 262 x 86 mm 1.7 x 10.3 x 3.4 inc	344 x 310 x 86 mm 13.5 x 12.2 x 3.4 inc
Weight	2630 g / 5.8lbs	2751 g / 6.07lbs	4150 g / 9.1lbs
Storage Temp. Operating Temp.	-40°C +80°C -20°C +55°C		

(1) Protective glass with anti reflective coating without optical bonding
(2) Protective glass with anti reflective coating with optical bonding
(*) The standard position of the matrix is with 6 o'clock preferred viewing angle.
An option allows to deliver the monitor with a 12 o'clock preferred viewing angle.

CinemonitorHD 3DView S

10" to 15" 3G/HD/SD - SDI

LCD Monitor



Applications

S3D Monitoring

High End Cinematography

DSLR & non-genlocked cameras

The Stereoscopic User Book - Natural Depth™

A tutorial manual written by Alain Derobe and Transvideo describing theory and basics of S3D shooting with the **CineMonitorHD 3DView S** comes with each monitor.

Alain Derobe (1936 - 2012) was a french stereographer and teacher, and one of the founders of the AFC (French Society of Cinematographers).

The most advanced S3D toolbox to make the Stereographer's life easier

The **CineMonitorHD 3DView S** is a family of monitors dedicated to Stereoscopic 3D productions. An extension of the **CineMonitorHD Evolution**, the **CineMonitorHD 3DView S** is available in 10" and 15".

The 3D models include all the functions and tools of their 2D counterparts plus a complete, revolutionary 3D processing. They can also be used for regular 2D HD productions.

Faithful HD Monitoring

Each camera/eye can be independently monitored as well as flipped vertically and/or horizontally. The measurement tools (waveform and histogram) display the 2 signal simultaneously.



Geof Boyle, DP

2D Features

Waveform Line / Parade / Frame
Luminance Histogram - Vectorscope
Exposure control (false colors)
Low- & high- lights details
Color calibration D56 / D65
C-Log, S-Log, Canon-Log, Rec709
Aspect ratio & Anamorphic desqueeze
Monitor reverse + picture flips
/i LensReader + CineTape

Zoom 1:1 (pixel to pixel)
Focus helper
Blue check
Markers & safe area
Crosshair & user framelines
Voltage control
Timecode & Tally on screen
SDI audio vu-meters
AvengerLeveler

Features

3D modes

Include Anaglyph (red/cyan, green/magenta, blue/yellow or manual), Color, Black & White, Monochrome as well as Side by Side, Shutter Glasses and difference modes.

Checker Board

Arranges the picture area in adjustable squares that flicker between left and right. Helps to match level and color temperature of both pictures.

Derobe's Grid

Derobe's Grid is a parallel grid with adjustable width between the lines. It is mainly used to set infinity parallax for the target screen size.

Horizontal Split

Splits the screen in two areas to compare left and right images. Helps to match level and color temperature.

PhaseMeter

The phasemeter provides the amount of pixels and lines offset between the 2 incoming signals before synchronization.

Vertical Temporal Break Line

A vertical temporal break line shows the vertical blanking offset between the 2 incoming signals before synchronization.

IMAX Frimeguide

The **CineMonitorHD 3DView S** features an IMAX frame guide.

Difference modes

Display the difference between Y components of left and right pictures. They are used to analyze the depth of the 3D image, thus helping to converge the cameras and to properly set up the rig.

Up to 6 difference modes are available. A brightness offset may be applied to highlight the differences. The fringes can appear in false color. The Y component can be displayed to better see the image.

Measurements

Waveform, vectorscope and luminance histogram display the 2 inputs simultaneously. Common values are displayed in white, differences in red or cyan.

Difference Histogram

Shows a statistical representation of fringes and of their widths as a bargraph. The Difference Histogram shows a depth analysis of the stereoscopic picture.

Technical specifications

Model	10"	12"	15"
Inputs / Outputs	2 x HD - SDI in + reclocked out 2 x HD - SDI processed out		
Supported Standards	480p / 576p / 720p 1080p / 1080i / 1080psf		
Display	AMLCD 1024 x 768		
Pixels	Picture zone 960 x 540		
Contrast Ratio Viewing Angle Brightness	500:1 ±80° H / ±65° V 1000 Nits	500:1 ±80° H / +60/-80° V 1000 Nits	700:1 ±85° H / ±85° V 1000 Nits
White Point Calibration	D65 ITU-R BT.709-5 & D56		
Color Space	Rec. ITU-R BT.709-5		
Latency	Less than 1 frame		
Power Req.	10 to 36V DC through XLR4 or battery (Anton-Bauer™ or V-Mount)		
Power Cons.	44W	46W	64W
Dimensions (l x h x d)	256 x 227 x 86 mm 10.1 x 8.9 x 3.4 inc	298 x 262 x 86 mm 1.7 x 10.3 x 3.4 inc	344 x 310 x 86 mm 13.5 x 12.2 x 3.4 inc
Weight	1435 g / 3.2lbs	2751 g / 6.07lbs	4150 g / 9.1lbs
Storage Temp. Operating Temp.	-40°C +80°C -20°C +55°C		



"While there may be cheaper 3D location monitors on the market, my recommendation will always be for a Transvideo monitor. They are in my mind simply the best tools for the job."

Alister Chapman, Stereographer & Filmmaker
About CineMonitorHD 3DView

StarliteRF-a / Starlite ARRI-WVS

5" OLED 3G/HD/SD - SDI Monitor-Recorder
with a **built-in wireless receiver**



StarliteRF-a is compatible with all camera version. It can directly control an ARRI-Mini camera interface.

Starlite ARRI-WVS is especially designed for Alexa SXT-W camera and ARRI transmitters.

Applications

Digital Cinematography

Broadcast

High Speed Digital Camera

Manufacturing quality

The **StarliteHD+** is built to last with an aluminium machined body, light weight and small size



All in one touch-screen monitor

Light weight and small size.

Customizable interface

Uses the power of the touchscreen panel to get rid of endless menus.

Fits easily in the palm of your hand or can be mounted on top of remote hand units.

StarliteRF-a / Starlite ARRI-WVS is the perfect choice for :

Focus puller and DoPs,

Directors, assistant directors, ...

Top class wireless transmission system

Operates on the 5.8Ghz ISM band with a range of 200m/600 ft without latency, with low loss and without any transmission delay.

The **StarliteRF-a** can easily be paired with up to 2 **TitanHD2** transmitters. Transvideo **TitanHD2**

Tx-a is required to interface to and to control the ARRI Alexa-Mini and AMIRA cameras.



We built a mountain solution for my Ultralite Trike and the first test results are amazing! I mount a gimbal system in the front of the aircraft and we use the StarliteRF-a on it! With windspeed up to 160 km/h the Transvideo system works great and the Starlite shows us how rugged and performing system can handle these conditions as well..."

" My feedback of another frozen day: your monitors run below 28° minus. The recorder function works very fine without any dropped frame."

Adi Geisegger , Photographer / Cinematographer
About StarliteHD+, StarliteHD-m, StarliteRF-a and TitanHD2

Features

Intuitive interface with built-in tools

Smart corners for user assigned tools

Zoom zone (tap to zoom and slide to move the zoomed picture)

Rec zone

H & V Flip

VirtualHorizon, PDF reports

Configuration App & File, ...

ARRI mode

The **StarliteRF-a** remotes the ALEXA Mini. It is compatible with any other camera with standard functionalities.

Measurements

Waveform, Histogram, Vectorscope

Focus

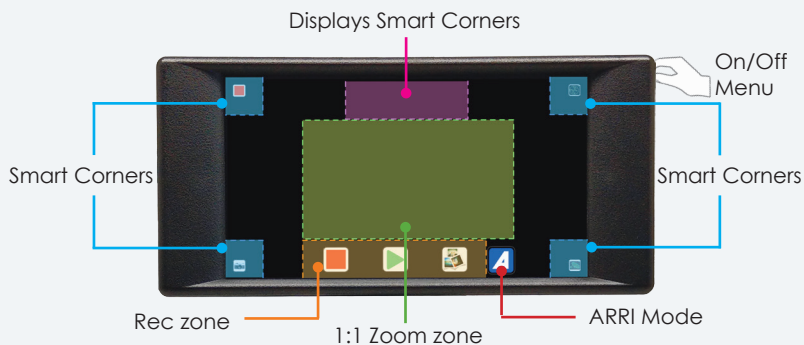
Peaking

Zoom 1:1 (px to px), Slide in Zoom, Centered Zoom

Aspect Ratio : 1.3x, 2x,

Record & Play features

REC on SDI, Auto REC, Snapshot, Playback, Output converter



*Starlite**HD** home view*

Technical specifications

Video Input	1 x 3G/HD/SD - SDI
Video Output	1 x 3G/HD/SD -SDI
Supported Standards	3G: 1080 / 48p, 50p, 60p HD: 1080 / 50i, 60i 1080 / 24p, 25p, 30p 1080 / 25psf, 30psf 720 / 50p, 60p
Recorder	.H264 - with possibility to replay and convert
Display Type & Size	AMOLED - 5 inches
Pixels	1280 x 720
Contrast Ratio Viewing Angle Brightness	3400:1 ±80° H & V 380Nits
Color Temperature	D56
Transmission Frequency	5.8 GHz ISM Band
Power	6-30V DC power input through Lemo5 "0B"
Power Cons.	6W nominal
Battery Socket	Sony type L
External SD Card	Yes
Dimensions (l x h x d)	144 x 128 x 40 mm 5.66 x 5.03 x 1.57 inc
Weight	350g, 0.7lbs

TitanHD2

Wireless Video Transmission System



Applications

Video Assist
News & Sport
Broadcast
Digital Cinematography
Body-Rig
Video Village

Manufacturing quality

TitanHD2 transmitters and receivers are housed in a rugged water resistant machined aluminium bodies.

TitanHD2 is built to last and are able of tackling even the toughest productions



Modular system with robust connection

State of the art wireless HD video transmission system.
Operates on the 5.8Ghz ISM band.
Has everything you need to create a reliable connection.
Easy to sync and ready to broadcast in just a few seconds.
Features LED indicators for video and radio link.

The **TitanHD2** system offers stable remote video monitoring possibilities with no latency and no transmission delay.

The **TitanHD2 Tx-a** is capable of connecting to multiple **TitanHD2 Rx** or **StarliteRF-a**.
You can pair up to 4 **TitanHD2 Rx** or **StarliteRF-a** with **TitanHD2 Tx-a**.

With an additional **TitanHD2 Tx-a** you can use the switch A/B Function through the **StarliteRF-a** and get 2 video signals from 2 transmitters.

Technical specifications		
Model	TitanHD2 Tx-a	TitanHD2 Rx
Inputs / Outputs	1 x HD SDI in + Rclk out	2 x Rclk out
Supported Standards	720p / 1080p / 1080i / 1080psf	
Audio	1 channel stereo + SDI embedded	
Modulation	OFDM MiMo	
Latency	<1ms	
Transmission Frequency	5.8 GHz ISM band	
Transmission Range	200m/600ft	
Latency	Less than 1 frame	
Power Req.	5 to 29V DC Lemo5 "0B" or Sony L/M battery	9 to 29V DC (-1, +2) Lemo2 "0B"
Power Cons.	6w Nominal	
Dimensions (l x h x d)	101 x 69 x 23 mm 3.98 x 2.72 x 0.92 inc.	119 x 86 x 23 mm 4.69 x 3.39 x 0.92 inc.
Weight	220 g / 0.49 lbs	245g / 0.54 lbs
Storage Temp. Operating Temp.	-40°C +80°C -20°C +55°C	

Bracketry and Supports



U-Shape holder

For **CineMonitorUHD** & **Stargate**

Attaches to the center of gravity of the monitor.

Uses constant torque rotating system, allowing to adjust the monitor position without any tool.

Compatible with DeLuxe Hood and designed to be mounted on a C-stand (16mm spigot).

C-Stand adapter

For U-Shape holder



Slide Assembly

Can be mounted on the side or on the top of a **CineMonitorUHD** or on the bottom of a **Stargate**



3D swing arm / Mini 3D swing arm

With 3/8"-16 or 1/4"-20 male thread

Optional Transvideo Clamp, C-Clamp, Clamp for slide

Also available in ARRI™ version

3D swing arm adapter

1/4"-20 to 3/8",

M4 to 3/8"-16 or 3/8"-16 to M5



Clamp for slide

With C-Stand adapter

To mount on a **CineMonitorUHD**, on a C-Stand or on a 16mm spigot.



Knee joint

With optional Clamp for slide

With 3/8"-16M to 3/8"-16M

and 1/4"-20M to 3/8"-16M adapters.



19" Rack Mount
For 2 x **CineMonitorUHD** 8" or 1 x **CineMonitorUHD** 15"



Shoulder Strap and Handles



Harness

The monitor is snapped on the harness with 4 M4 pins to avoid monitor rotation. Weight is distributed on the shoulder and waist instead of the neck. Ideal for all day shoots.



Padded suede shoulder strap

Adjustable ergonomic suede shoulder strap. The shoulder strap is snapped on the monitor with 2 M4 pins.



Rosette bracket

Adapter equipped with a 60-teeth rosette (Arri style). Attaches to the side or to the top of any **Stargate** or **CineMonitorUHD**, making possible to adapt plenty of accessories such a wooden hand grip.



Carbon handle

For **CineMonitorUHD**

U-shape handle

For **Stargate**



Body Rig and Steadicam™ mounting systems

Transvideo yokes attach to the center of gravity of the monitor. They use a constant torque rotating system, allowing the user to adjust the monitor position without using any tool.

Compatible with the most prestigious professional body-rig and camera stabilizer systems: Betz-tools™, MK-V™, PRO™, Sachtler™ Artemis, Steadicam™ ...

Available for **CineMonitorUHD 6"**, **CineMonitorUHD 8"** and **Stargate**



Universal multirods bracket

You change the inserts depending on the rods you have and you adjust the separation before securing the fixation.

Currently available diameters: 19mm, 16mm 5/8", 15mm and 1/2" (1/2" is for PRO™)

Also available

Yoke for rods MK-V™ Ø19mm/84mm

Yoke for rods Ø16mm/89mm

Multirods adapter Ø15mm / 56mm, Ø5/8" / 3-3 1/2" For Steadicam™, PRO™ and MK-V™ systems.



Artemis kits

For **CineMonitorUHD 8"** and **Stargate**



Betz kits

For **CineMonitorUHD 8"** and **Stargate**



Master kits

For **CineMonitorUHD 8"** and **Stargate**



Archer™ / Ultra™ mounting kit

For **CineMonitorUHD 6"**

Battery adapters



Central Battery Back
For **CineMonitorUHD** and **Stargate**
Anton-Bauer or V-Mount.



Battery Back
For **StarliteHD+** / **StarliteHD+ ARRI**
For Sony L/M series - Panasonic, JVC, Hitachi

Power supplies



AL15
Input 100 to 240 VAC 47 to 63Hz - US or European AC plug.
Output 12 VDC 1.25A max - XLR4 male (-1, +4)
For wireless HD systems and **Starlite** monitors.



AL30
Input 100 to 240 VAC 47 to 63Hz - US or European AC plug.
Output 15 VDC - XLR4 male (-1, +4).
For 6", 7" and 8" UHD/HD monitors.

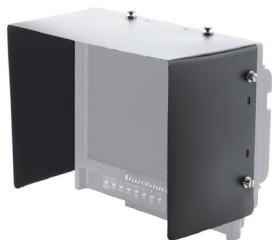


AL63
Input 100 to 240 VAC 47 to 63Hz - US or European AC plug.
Output 15 VDC - XLR4 male (-1, +4).
For 10" and 12" UHD/HD monitors.



AL80
Input 100 to 240 VAC 47 to 63Hz - US or European AC plug.
Output 13 to 16 VDC - XLR4 male (-1, +4).
For 15" UHD/HD monitors.

Sun/Night Hoods



Light Hood
For **CineMonitorUHD**



Sun Hood
For **Stargate**



Sun Hood
For **Starlite**



DeLuxe Hood
(Snap button)
For **CineMonitorUHD**



DeLuxe Hood
(Velcro)
For **CineMonitorUHD**

3D Accessories



Video cable
4.5GHz 3D-HDTV BNC-M/
BNC-M Dual Cable



Shutter Glasses
Requires a shutter glasses
interface to connect to the
monitor.



3D Anaglyph
Glasses

Screen protectors



PMMA screen protector
For **Stargate**
Anti scratch and anti finger-print
With magnetic attachment



Transportation cover plate
For **Starlite**
With magnetic attachment

Cables



Power cables, Video cables & specific cables for Steadicam™ and other applications.

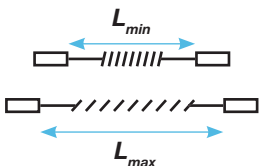
See available cables on our pricelist or on www.transvideo.eu
Transvideo manufactures any custom cable. Contact us for order.

Straight Cables



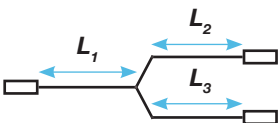
Straight L cm

Spiral Cables



Spiral L_{min} - L_{max} cm

Split Cables



Split L_1 - L_2 - L_3 cm

transvideo

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