

# 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 <sup>(1)</sup>	1000:1 ±85° H / ±85° V(*) ≤2500 Nits <sup>(2)</sup>	1000:1 ±85° H / ±85° V(*) 1000 Nits <sup>(2)</sup>
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.