

DELVCAM

LCD PRODUCTION MONITOR MANUFACTURER

Delvcam DELV-HD7-HSC User Guide



***7" HD LCD Video Monitor
with HDMI/SDI Cross Conversion
& Waveform/Vectorscope***

DELVCAM

delvcam.com

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IMPORTANT SAFETY INSTRUCTIONS

- Read manual before using this product.
- Keep manual for future reference.
- Do not place the display screen on the ground.
- Avoid heavy impact or dropping.
- Do NOT use chemical solutions to clean this product.
Wipe with a clean soft cloth to maintain the brightness of the surface.
- Do not block any vent holes.
- Follow the instructions when making adjustments.
- Unplug the power and remove the battery if you do not plan to use the monitor for an extended period of time.

FEATURES

Integrated Waveform & Vector Scope Displays

Verify video signals are within range for optimal image quality

Convenient Signal Conversion

HDMI/3G-SDI inputs with HDMI/SDI cross converter outputs

High Quality Image

1920 x 1200 resolution and 1000:1 contrast

Wide Viewing Angles

170° / 170° (H/V)

INCLUDED ACCESSORIES

- Sunshade
- HDMI AC Cable
- 12VDC Adapter
- Shoe Mount
- Battery Plates – F-970, LP-E6
- Mount Plate Bracket
- VESA Battery Bracket

OPTIONAL ACCESSORIES

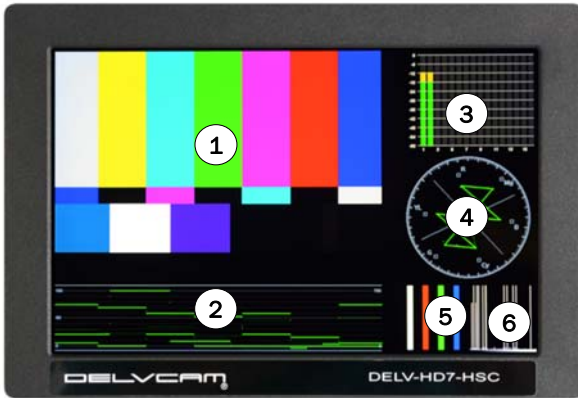
- Anton Bauer Mount
- V-Mount
- Battery

SPECIFICATIONS

Display Screen:	7 inch LCD
Resolution:	1920 x 1200
Brightness:	500cd/m ²
Aspect Ratio:	16:10
Viewing Angle:	170° / 170° (H/V)
Input Signal:	3G-SDI, HDMI
Output Signal:	3G-SDI, HDMI
HDMI Support Format:	1080p,1080i, 720p,576p,576i,480p,486i
SDI Support Format:	
SMPTTE-125M	480i(59.94)
SMPTTE-274M	1080i(60/59.94/50)1080p (30/29.97/25/24/24sF/23.98/23.98sF)
SMPTTE-292M	1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPTTE-296M	720p(60/59.94/50/30/29/25/24/23.98)
SMPTTE-372M	720p(60/59.94/50), 1080i(29.97/25/24/23.98) 1080p(60/59.94/50/30/29.97/25/24/23.98)
SMPTTE-425M-AB	1080p(60/59.94/50)
-Level A &Level B	720p(60/59.94/50/30/29.97/25/24/23.98)
-Level B2X	1080i(60/59.94/50)
	ITU-R BT.656 576i(50)
Audio:	Earphone Jack/Speaker
Power Input:	12VDC
Input Voltage:	7-24VDC
Power Consumption:	13W
Backlight:	LED
Dimensions (LxHxD):	7.17x4.88x0.87in / 182×124×22mm
Weight:	0.9lb / 405g



MONITOR FRONT



- 1 Video Display
- 2 Waveform Display
- 3 VU Meters (Audio)
- 4 Vectorscope Display
- 5 Color Level Meter –YRGB
- 6 Histogram Display

MONITOR REAR












- 1 Power Switch I = On, O = Off
- 2 Menu Dial
- 3 Exit
- 4 F1, F2 User Definable Buttons
- 5 SDI/HDMI Input switch
- 6 Fan Cooling Holes
- 7 Speaker
- 8 SDI Input
- 9 SDI Output
- 10 Earphone Jack
- 11 HDMI Output
- 12 HDMI Input
- 13 12VDC Power Input

OPERATION

1. Turn power ON.
2. Press MENU, then rotate MENU to scroll through menu selections.
3. Press MENU to make selection.
4. Press EXIT to return.

SETTINGS

PICTURE		
	Brightness	50
	Contrast	50
	Saturation	50
	Tint	50
	Sharpness	0
	Color Temp	User
	Red Gain	128
	Green Gain	128
		










Brightness	0-100
Contrast	0-100
Saturation	0-100
Tint	0-100
Sharpness	0-100
Color Temp	5500°K /6500°K/7500°K/9300 °K/User

Select User mode to choose the color value:	
Red Gain	0-255
Green Gain	0-255
Blue Gain	0-255
Red Offset	0-511
Green Offset	0-511
Blue Offset	0-511


MARKER		
	Center Marker	OFF
	Aspect Marker	OFF
	Safety Marker	OFF
	Marker Color	Red
	Marker Mat	OFF
	Thickness	2
		

Center Marker	OFF, ON
Aspect Marker	OFF, 16:9, 1.85:1, 2.35:1, 4:3, 3:2
Safety Marker	OFF, 95%, 93%, 90%, 88%, 85%, 80%
Marker Color	Red, Green, Blue, White, Black
Marker Mat	OFF, 1-7
Thickness	2, 4, 6





SETTINGS

FUNCTION		
	Scan	Zoom
	Aspect	Full
	Underscan	OFF
	H/V Delay	OFF
	Check Field	OFF
	Zoom	60%
	Freeze	OFF
	DSLR	OFF
		▼▲

Scan	Zoom, Aspect, Pixel To Pixel (Adjustable only in Scan mode)
Aspect	Full, 16:9, 1.85:1, 2.35:1, 4:3, 3:2
Underscan	OFF, ON
H/V Delay	OFF, H, V, H/V
Check Field	OFF, Red, Green, Blue
Zoom	10%~90% (step value is 10%)
Freeze	OFF, ON
DSLR	OFF, 5D2, 5D3
3G Format	Normal, GBRA444 10Bit, YCbCrA444 10Bit, YCbCrA422 12Bit, GBR444 12Bit, YCbCr444 12Bit (SDI mode only.)

WAVEFORM		
	Waveform	Multi
	Peaking	OFF
	Peaking Color	Red
	Peaking Level	50
	False Color	OFF
	Exposure	OFF
	Exposure Level	85
	Histogram	Y
		▼▲

Waveform	Multi, Y, YCbCr, RGB, OFF
Peaking	OFF, ON
Peaking Color	Red, Green, Blue, White
Peaking Level	0-100
False Color	OFF, ON
Exposure	OFF, ON
Exposure Level	0-100
Histogram	Y, RGB, Color
Time Code	OFF, LTC, VITC (SDI mode only.)

AUDIO		
	Volume	50
	Level Meter	OFF
	Audio Ch	Ch1&Ch2
		

Volume	0-100
Level Meter	OFF, ON (default ON under waveform multifunction)
Audio Ch	Ch1&Ch2, Ch3&Ch4, Ch5&Ch6, Ch7&Ch8, Ch9&Ch10, Ch11&Ch12, Ch13&Ch14, Ch15&Ch16 (SDI mode only.)

SETTINGS

SYSTEM		
	Language	English
	HDMI/SDI Convert	OFF
	Color Bar	OFF
	OSD Time	10s
	Image Flip	OFF
	Back Light	100
	Fan	Low
	Reset	OFF

Language	English, Chinese
HDMI/SDI Convert	OFF, ON
Color Bar	OFF, 100%, 75%
OSD Timer	10s, 20s, 30s
Image Flip	OFF, H. V. H/V
Back Light	0-100
Fan	Low, High
Reset	OFF, ON

SETTING USER DEFINABLE BUTTONS F1-F2

- Default Settings:
F1 Waveform, F2 Scan
- Press F1.
- Turn MENU knob to select Center Marker, Aspect Marker, Check Field, Underscan, Scan, Aspect, DSLR, Freeze, H/V Delay, Peaking, False Color, Exposure, Histogram, Level Meter, Waveform or TimeCode
- Press MENU button to set selected function.
- Press Exit
- Repeat to set F2.

TROUBLE SHOOTING

1. No Image

- Ensure that the cables are properly connected.
- Use the standard power adapter that is included as improper voltage input may cause damage or injury.

2. Incorrect or Abnormal Colors

- Ensure that the cables are properly connected.
- Check the signal source video output.
- Check Saturation for appropriate setting.
- Ensure Check Field is set to color or mono as required.
- Reset image ratio.

3. Image Size Error

- Go to Menu/Function/Underscan to zoom in and out of pictures automatically for HDMI signals

3. No Sound

- Supports audio signal only in embedded HDMI and SDI input.
- Ensure that the cables are properly connected.
- Check volume control.