



DELV-HD7

HDMI-VGA-VIDEO MONITOR

With Dual Composite Video/Audio



USER MANUAL

Thank you for purchasing the DELVCAM HD-7 High Definition liquid crystal display monitor. This product employs new integrate circuits and high quality TFT LCD modules. It operates with low power consumption, emits no radiation, and is a compact form factor. The color TFTLCD is the most suitable display for VGA,VCD, DVD and GPS system for motorcars and ships. It also can be used in the high end media facilities for in-line monitoring of HDMI, VGA and Composite Video signals. This product is manufactured to the highest standards and will operate well in all applications where performance is demanded but for a cost effective price.



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SPECIFICATIONS:

DISPLAY PANEL	TFT LCD 7" LCD MONITOR 144000 Pixels
RESOLUTION	800X480(VGA)
UP RESOLUTION	1920X1440(VGA)
BRIGHTNESS	300 cd/m ²
CONTRAST	500:1
VIEWING ANGLE	70deg/70deg, 50deg/50deg (L/R, UD)
INPUT VIDEO	0.7 to 1.4Vpp/75 ohm(composite video)
VGA SIGNAL INPUT	H:30 @60Hz, V:60@75Hz
SPEAKER	Sensitivity: 250mW/8 ohms
COLOR FORMAT	NTSC/3.58 PAL/4.43
POWER	12 VDC @ 10WATTS
SIGNAL INPUTS TYPE	HDMI1.3, VGA, AV1, AV2 with Mono Audio
OPERATING TEMPERATURE	-20deg C to 55deg C
DIMENSIONS	208mm(W) X 146mm(H) X 34mm(D) 8.9"W X 5.75"H X 1.34"D

To ensure the best use of the unit, please read this handbook carefully beforehand.

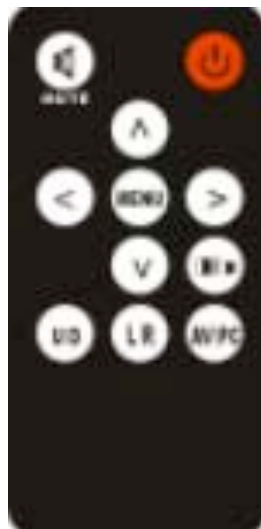
DESCRIPTION OF MONITOR FUNCTIONS














Picture 1 (A)

1. Indicator light
2. : Power on/off
3. **AV/PC**: (VGA), AV switch.
4. : Volume down or to adjust the value of setting function
5. Infrared receiving window
6. : Volume up or to adjust the value of setting function
7. **MENU**: To activate OSD menu.
8. : Selection key, to adjust phase directly.
9. : Selection key, to adjust the brightness directly.
10. **DC12V** input jack(used when Media Breakout Cable is not used)
11. **HDMI** input jack
12. **MEDIA BREAKOUT JACK**

REMOTE CONTROL OPERATION



1. : Power on/off
2. : MUTE
3. : To activate OSD menu.
4. : Volume down or to adjust the value of setting function
5. : Volume up or to adjust the value of setting function
6. : Selection key, to adjust the brightness directly.
7. : Selection key, to adjust phase directly.
8. : Aspect ratio switch, 4: 3/16:9
9. : UP/ DOWN Switch
10. : Right/Left Switch
11. : AV1/AV2/ PC(VGA)Switch

MULTIMEDIA BREAKOUT CABLE: used to interface VGA/Composite Video/Audio



1. input end: connect to matching jack on monitor
2. 9-pin plug for VGA adapter(below)
3. Power jack 12 VDC input: This power input is the same as the chassis mounted power jack
4. RCA jack for composite video 1 input
5. RCA jack for audio input
6. RCA jack for composite video 2 input

VGA INTERFACE CABLE: This cable is used for VGA signal interface. The USB end is not used with this monitor.



1. 9-pin jack connect 9-pin plug match of cable above
2. USB: Not Used in this model
3. 15-pin VGA signal input end connect VGA port of the computer

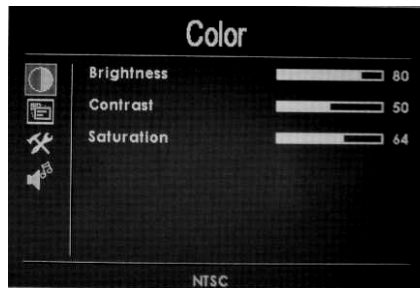
Manual operation






After connecting power, the unit will be in standby state (red light) - Press "⏻" on the unit or on the remote controller, the buttons of the unit will blue light, at that time the unit begins to work. Press the same button again the unit will return to its standby state (Note the blue button will black out in 5 or 6 seconds soon after you turn off unit.). Push "PC(VGA)/AV" on the unit or **AV/PC** on the remote controller to switch between AV and (PC)(VGA).

OSD in (VGA) mode:




OSD in AV mode:



You can press "∧"/"∨" on the unit or on the remote controller to select the items:  (COLOR)  (ADJUST)  (MENU)  (EDIT)  (VOLUME), and confirm by pressing " < "/> " on the unit or on the remote controller, then push " < "/> " again to adjust the items. Push "MENU" to exit the OSD after your adjust.

Description of OSD:

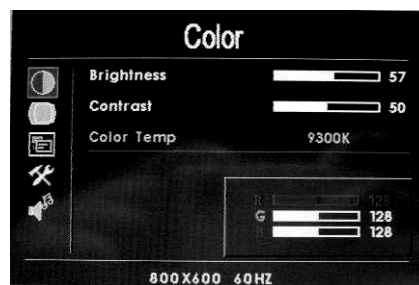
In (VGA) mode:

 (Color):



After enter into “Color” item of OSD, use “ \wedge ” / “ \vee ” to select and then push “ \lt ” / “ \gt ” to adjust.

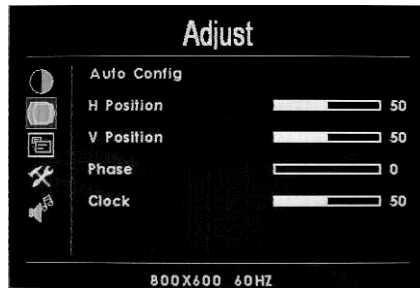
- ※Brightness: To adjust the brightness.
- ※Contrast: To adjust the contrast of image.
- ※ Color Temp: To adjust the contrast of Color Temp.




Color temperature of OSD is adjustable. Press “ \lt/\gt ” on the unit or on the remote controller to select “Color Temp”, then you can choose to set color temperature such as: 6500 Ks, 7500 Ks or 9300 Ks by pressing “ \wedge ” / “ \vee ”. You can also adjust a color temperature that wants the options “USER” then you can adjust RED, GREEN and BLUE at will by pushing “ \lt ” / “ \gt ”.

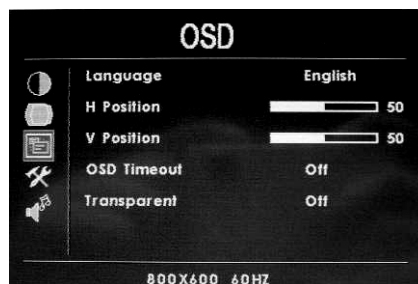
Note: when you select the “USER” item a mini box will appear in the right bottom corner of the OSD. As pictured below.

 (Adjust):



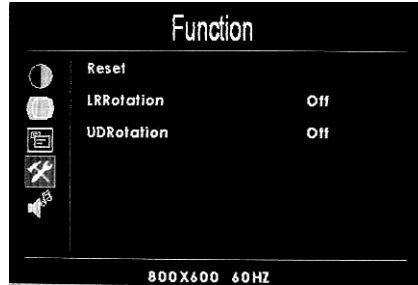
- ※ Auto Config: To adjust automatically .If the auto-adjust is not satisfy your request, you can adjust manually.
- ※ H Position: To adjust the picture in horizontal.
- ※ V Position: To adjust the picture in vertical.
- ※ Phase: To adjust the phase.
- ※ Clock: To adjust the clock, make field and line synchronization.

 (OSD):



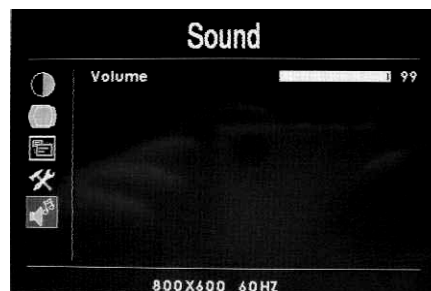
- ※ Language: 2 languages for OSD as below:
English 简体中文
- ※ H Position: To adjust the OSD position in horizontal.
- ※ V Position: To adjust the OSD position in vertical.
- ※ OSD Timeout: To adjust the clock.
- ※ Transparent: To adjust the level of transparency.

 (Function):




- ※ Reset: Back to original setting.
- ※ Display Ratio: To change the display ratio,16:9/4:3.
- ※ LR Rotation: To change the picture left/right.
- ※ UD Rotation: To change the picture up/ down.

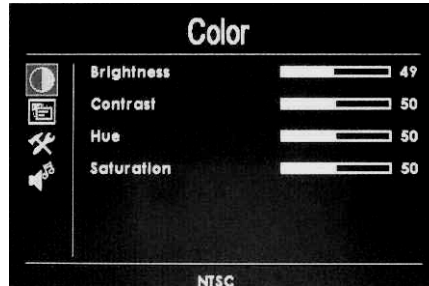
 (Sound):




- ※ Volume: To adjust the volume.

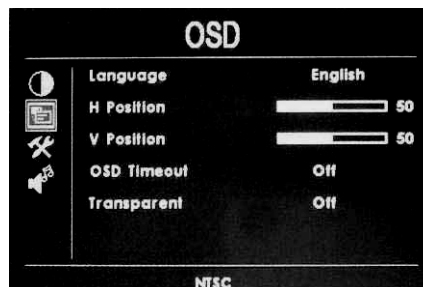
In AV mode:

 (Color):



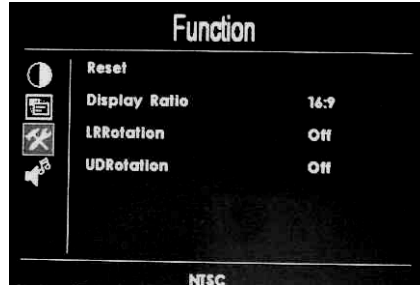
- ※ Brightness: To adjust the brightness.
- ※ Contrast: To adjust the contrast.
- ※ Hue: To adjust the hue adjust in NTSC mode.
- ※ Saturation: To adjust the saturation.

 (OSD):



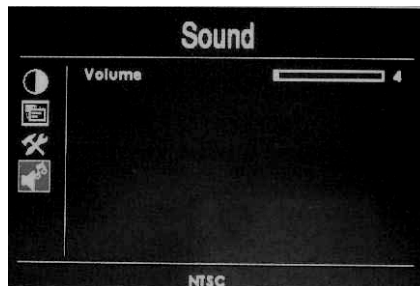
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 (Sound):



- ※ Volume: To adjust the volume.



SAFETY PRECAUTIONS



- 1. To prevent fire or shock hazard, do not expose this equipment to an environment of high humidity and/or dust. Do not use in an unprotected outdoor installation or any area classified as overly damp or wet.**
- 2. The temperature for installation should be kept between 0°C ~ 60°C. Avoid direct sunlight exposure or extreme changes of temperature over a short period of time.**
- 3. Do not disassemble the unit or put it on an unstable base**
- 4. Do not drop it and avoid heavy impact.**
- 5. Ventilation: Any openings in the enclosure are provided for ventilation and to ensure reliable operation of the unit and to protect it from overheating. These openings, if any, must not be blocked or covered. This unit should not be placed in a built-in installation unless proper ventilation is provided.**
- 6. Cleaning: Unplug the unit from the mains outlet before cleaning. Do not use liquid cleaners or aerosol cleaners, only use a damp cloth.**
- 7. Do not overload outlets and extension cords as this may result in a risk of fire or electric shock.**
- 8. Enclosure Entry of any kind is dangerous. Never push objects of any kind, including liquids, into this unit through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.**
- 9. Service: Do not attempt to open or service this unit yourself as opening or removing covers may expose you to dangerous voltage of other hazards.**
- 10. There are no user-serviceable parts inside the unit. If the unit requires service please contact your authorized dealer, or an authorized repair service company.**