VISIONPRO

27" LCD Monitor
Model: 150TFT[X]2705[X]

Manual
Version 1.0 / July 2017

SUZOHAPP

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1. <u>Introduction</u>

Congratulations with the purchase of your monitor. This LCD monitor is a color active matrix thin-film-transistor (TFT) liquid crystal (LCD) to provide superior display performance.

2. <u>Safety</u>

This monitor is only suitable for use in an indoor environment where it's not sealed and not subject to dust, dirt and/or condensation (Pollution Degree 2) (IP20).

It is not allowed to connect appliances to the monitor which does not comply to SELV or Class II qualification.

Unplug the monitor from the power outlet before cleaning. Do not use alcohol (methyl, ethyl or isopropyl) or any strong dissolvent. Do not use thinner or benzene, abrasive cleaners or compressed air. To clean the monitor, use a cloth lightly damped with a mild detergent.

The slots located on the backside of the monitor case are for ventilation. Do not block or insert anything inside the ventilation slots.

It is important that your monitor remains dry. Do not pour liquid into or onto the monitor. If the monitor becomes wet do not attempt to repair it yourself.

If the liquid crystal materials leaks from the panel, it should be kept away from the eyes or mouth. In case of contact with hands, legs or clothes, it must be washed away thoroughly with soap.

Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

3. <u>Model descriptions</u>

Part number	Description
150TFT2705	Monitor 27"
150TFTG2705	Monitor 27" with 3mm tempered glass
150TFTP2705	Monitor 27" with USB PCAP Touchscreen
150TFTP2705S	Monitor 27" with Serial PCAP Touchscreen

Further models to be announced.

4. <u>Monitor connection</u>

1. Connect the 12V power supply to the monitor.
2. Connect one end of the video cable to the computer and the other to the monitor. When using VGA tighten the two thumb screws clockwise to ensure proper grounding.
3. In case of a touch monitor connect one end of the USB touch cable to the computer and the other end to the monitor.
4. Press the power button on the rear panel to turn the monitor power on.

5. <u>Monitor specifications</u>

Panel

Manufacturer	Part No.
AUO	M270HVN02.0-7

Absolute Maximum Ratings

Item	Unit	Min	Typical	Max	Remarks
Rated Ambient Temperature	°c	0	-	50	
Storage Temperature	°c	-G0	-	60	
Relative Humidity	%	10	-	90	
Altitude	M	-	-	2000	
Pollution	Degree		2		Not sealed, not subject to dust, dirt, condensation

Input characteristic

Description	Signal	Unit	Min	Typical	Max	Remarks
Power in (12Vdc)						
	Input	VDC	11.4	12	12,6	
	Consumption	A	1.8	2.6	3.0	
RGB Input						
	Analog RGB	VPP	0	0.7	-	
	Sync	VDC	0	5	5.5	
	H Frequency	KHz	31		80	Depends on Mode
	V Frequency	Hz	55	75	76	Depends on Mode
DVI-D Input						
	DATA/CLK	VPP	450	500	900	Differential +/-

Signal Input (Analog RGB, TMDS(DVI))

Item	Description	Resolution
Supported Resolution	XGA	1024X768
	WXGA	1280X768
	WXGA	1366X768
	SXGA	1280X1024
	WSXGA+	1680X1050
	UXGA	1600X1200
	HD	1920X1080

Display Characteristics

Item	Units	Min
Screen Diagonal	mm	685.65 (27")
Active Area	mm	597.6 (H) x 336.15 (V)
Pixels H x V	Degree	1920 (x3) x 1080
Viewing Angle	Degree	178 Hor. & Vert.
Contrast Ratio		3000

6. **Operation**

Color LED: This LED shows the state of the controller.
- Green is the "normal state".
- Red is the "Off mode". (Can't find Sync. signals)
- Amber is the "DPMS mode" (*Display Power Management Signaling).*

PC Settings: The PC needs to be set to an appropriate graphics mode that has the same resolution with the LCD panel to have clear screen image. And the vertical refresh rate should be set to one of 56~75Hz, non-interlaced signal.

LCD display System Settings: The OSD (On Screen Display) provides certain functions to have clear image and others. This board supports 5 buttons OSD operation as a standard. The control functions defined on OSD operation are as below.

PC Graphics Output: Signal quality is very important, if there is noise or instability in the PC graphics output this may result in visible noise on the display. Refer to the graphic modes table in specification section for supported modes. Non-interlaced & interlaced video input is acceptable.

USB cable (touch only): Plug the USB-B connector to the connector on the backside of the monitor.

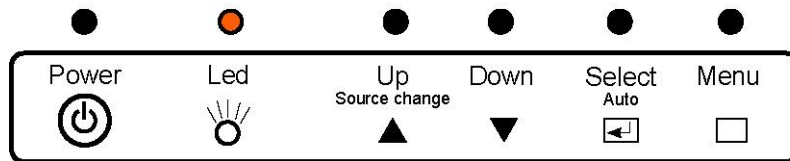**DisplayPort cable:** Plug the DisplayPort cable (not included) to the connector on the backside of the monitor.

VGA Cable: Plug the VGA cable (not included) to the connector on the backside of the monitor.

Power supply: Plug the 12V power supply (not included) to the connector on the backside of the monitor (separate power supply 150-0072).

Power on: Switch on the monitor by using the on/off switch on the OSD board.

PC Setting: The controller has been designed to take a very wide range of input signals however to optimize the PC's graphic performance we recommend choosing 60Hz vertical refresh rate this will not cause screen flicker.

OSD Control Board: The OSD (On Screen Display) provides certain functions to have clear image and others. This board supports 4 buttons OSD operation as a standard. The control functions defined on OSD operation are as below.

The chosen OSD settings will be stored in memory. The OSD menu can be cleared from the screen from the screen by moving the selection bar to the EXIT MENU icon pressing the SEL button otherwise it will be automatically cleared after a few second of non-use.

7. **OSD MENU**

The chosen OSD settings will be stored in memory. The OSD menu can be cleared from the screen by pressing the **MENU** button otherwise it will be automatically cleared after a few seconds of non-use.

OSD Main Menu
[PICTURE]

PICTURE

Brightness 80
Contrast 80
Sharpness 80

[COLOR]

COLOR

Color Status Management
▶ NORMAL
Red 80
Green 80
Blue 80
Auto Color
▶ To Start

[SCREEN]

SCREEN

Auto Configure
▶ To Start
H Position 80
V Position 80
Clock 80
Phase 80

[OSD]

OSD

Language ▶ English
H Position 80
V Position 80
Transparency 80
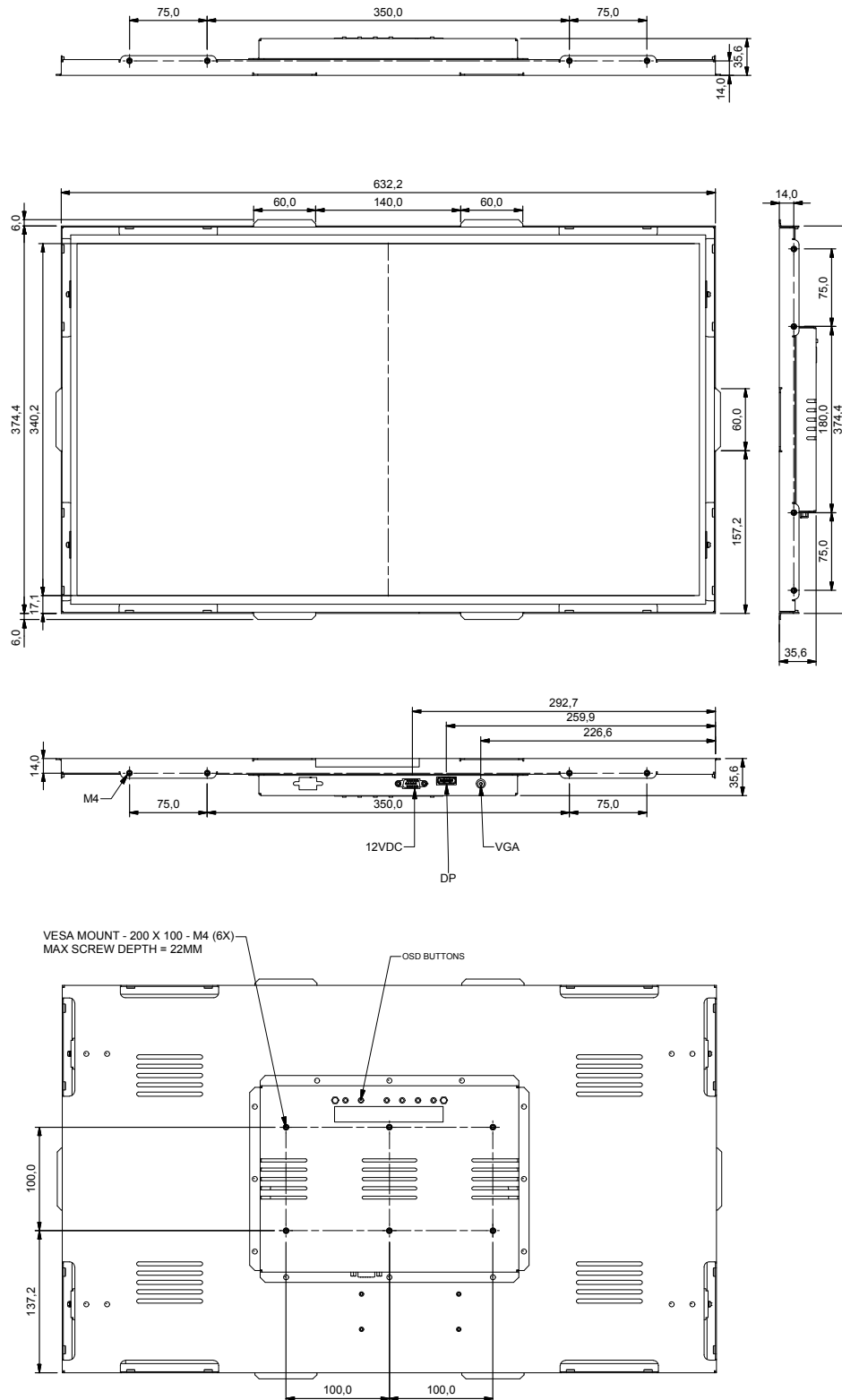OSD Time 10

[SETUP]

SETUP

Source ▶ RGB
Factory reset ▶ To Start
Aspect ▶ Off

1024x768 60 Hz
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OSD GUI Control Table

MAIN	SUB MENU	CONTROL	
Picture	Brightness	50(0~100)	
	Contrast	50(0~100)	
	Sharpness	2(0 ~ 4)	
	H Position	50(0~100)	PC ONLY
	V Position	50(0~100)	
	Clock	50(0~100)	
	Phase	30(0~100)	
Color	Color Status Management	User(User, Warm, Normal, Cool)	
	Red	50(0~100)	PC ONLY
	Green	50(0~100)	
	Blue	50(0~100)	
	Auto Color	To Start	
OSD	Language	English(English, Deutsh, Francais, Italiano, Espanol, Korean)	
	H Position	50(0~100)	
	V Position	50(0~100)	
	Transparency	33 (0~100)	
	OSD Time	10(3~30)	
SETUP	Source	RGB, DP, AUTO	
	Factory reset	To Start	
	Aspect	Off(On/Off)	
	Set ID(option)	Off(On/Off)	

8. **Mounting instructions**

9. **Accessories**

Part number	Description	
150-0072	Power supply input 100/240V output 12V 5A	
22-0012-4	Power cable Euro lead 1.80M	
149-0143-1	Displayport Cable 2M m/m	
149-0112-11	VGA cable 1.80M m/m	
149-0147	USB cable type a-b m/m 1.80M	