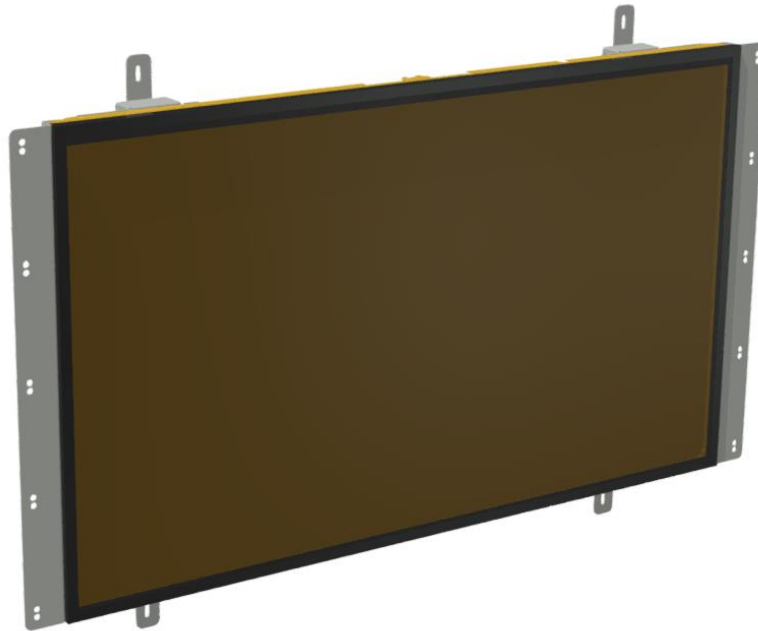**VISIONPRO**

32" LCD Monitor
Model: 150TFT[X]3210[XX]

Manual
Version 1.0 / November 2016

SUZOHAPP

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1. **Introduction**

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. **Safety**

This monitor is only suitable for use in an interior environment where it's not sealed and not subject to dust, dirt, 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. **Model descriptions**

Part number	Description
150TFT3210	Monitor 32"
150TFTG3210	Monitor 32" with tempered glass

Further models to be announced.

4. **Monitor connection**

1. Connect a 24V DC power supply to the monitor.
2. Connect one end of the video cable to the computer and the other to the monitor. Tighten by turning the two thumb screws clockwise to ensure proper grounding.
3. Press the power button on the rear panel to turn the monitor power on.

5. **Monitor specifications**

Panel

Manufacturer	Part No.
AUO	P320HVN01.1

Electrical Characteristic

Item	Unit	Min	Typical	Max
Power Supply Input Voltage	VDC	22.8	24	25.2
Backlight Power Consumption	Watt	-	34.9	39.3

Absolute Maximum Ratings

Item	Unit	Min	Typical	Max	Remarks
Operating Temperature	°c	0	-	50	
Storage Temperature	°c	-20	-	60	
Operation Humidity	%	10	-	90	
Storage Humidity	%	10	-	90	

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	Unit	Specifications
Screen Diagonal	[inch]	31.5
Active Area	[mm]	698.4 (H) x 392.85(V)
Pixels		1920x1080
RoHS Compliance		RoHS Compliance

Optical Characteristics

Item	Unit	Conditions	Min.	Typ.	Max
White Luminance	[cd/m2]	Center point	280	350	-
Contrast Ratio			2400	3000	-
Response Time	[msec]	Gray to Gray	-	8	10
Viewing Angle	[degree]	Horizontal / Vertical	-	178	-

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6. **Operation**

Color LED: This LED shows the state of 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.
(If installed) USB cable: Plug the USB cable to the connector on the backside of the monitor.
**VGA cable:** Plug the VGA cable to the connector on the backside of the monitor.
DVI-D Cable: Plug the DVI-D Cable (not included) to the connector on the backside of the monitor.
Power supply: Plug the 24V power supply (not included) to the connector on the backside of the monitor.
Power on: Switch on the monitor by using the on/off switch on the OSD control buttons.
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.
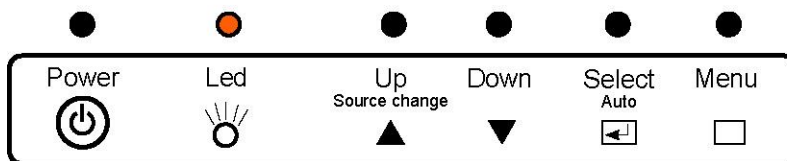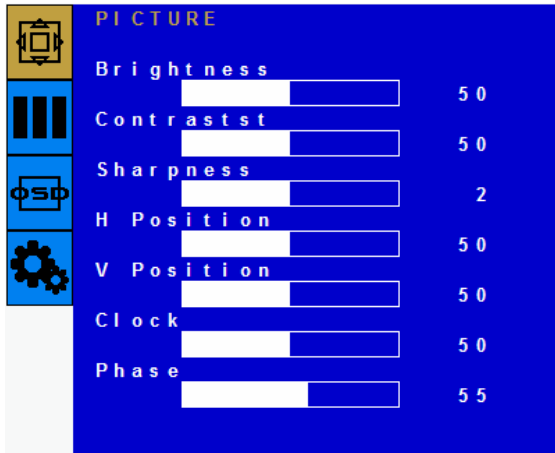

The chosen OSD settings will be stored in memory. The OSD menu can be cleared from the screen from the screen by moving the selection bar to the EXIT MENU icon pressing the SEL button otherwise it will be automatically cleared after a few second of non-use.

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.
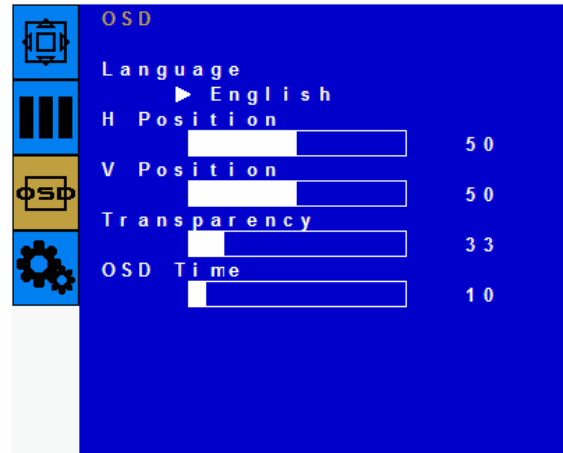
OSD Main Menu

[PICTURE]

[COLOR]

[OSD]

[SETUP]

OSD GUI Control Table
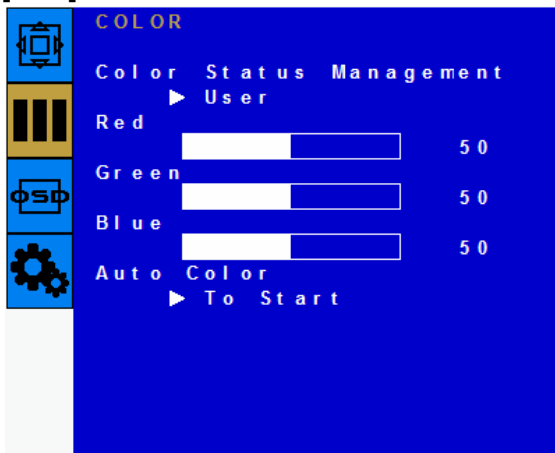
MAIN	SUB MENU	CONTROL	
Picture	Brightness	50(0~100)	
	Contrast	50(0~100)	
	Sharpness	2(0 ~ 4)	
	H Position	50(0~100)	PC ONLY
	V Position	50(0~100)	
	Clock	50(0~100)	
	Phase	30(0~100)	
Color	Color Status Management	User(User, Warm, Normal, Cool)	
	Red	50(0~100)	PC ONLY
	Green	50(0~100)	
	Blue	50(0~100)	
	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, DVI, AUTO	
	Factory reset	To Start	
	Aspect	Off(On/Off)	
	Set ID(option)	Off(On/Off)	

8. **Mounting instructions**

Monitor Mounting
This monitor can be mounted using the mounting brackets.
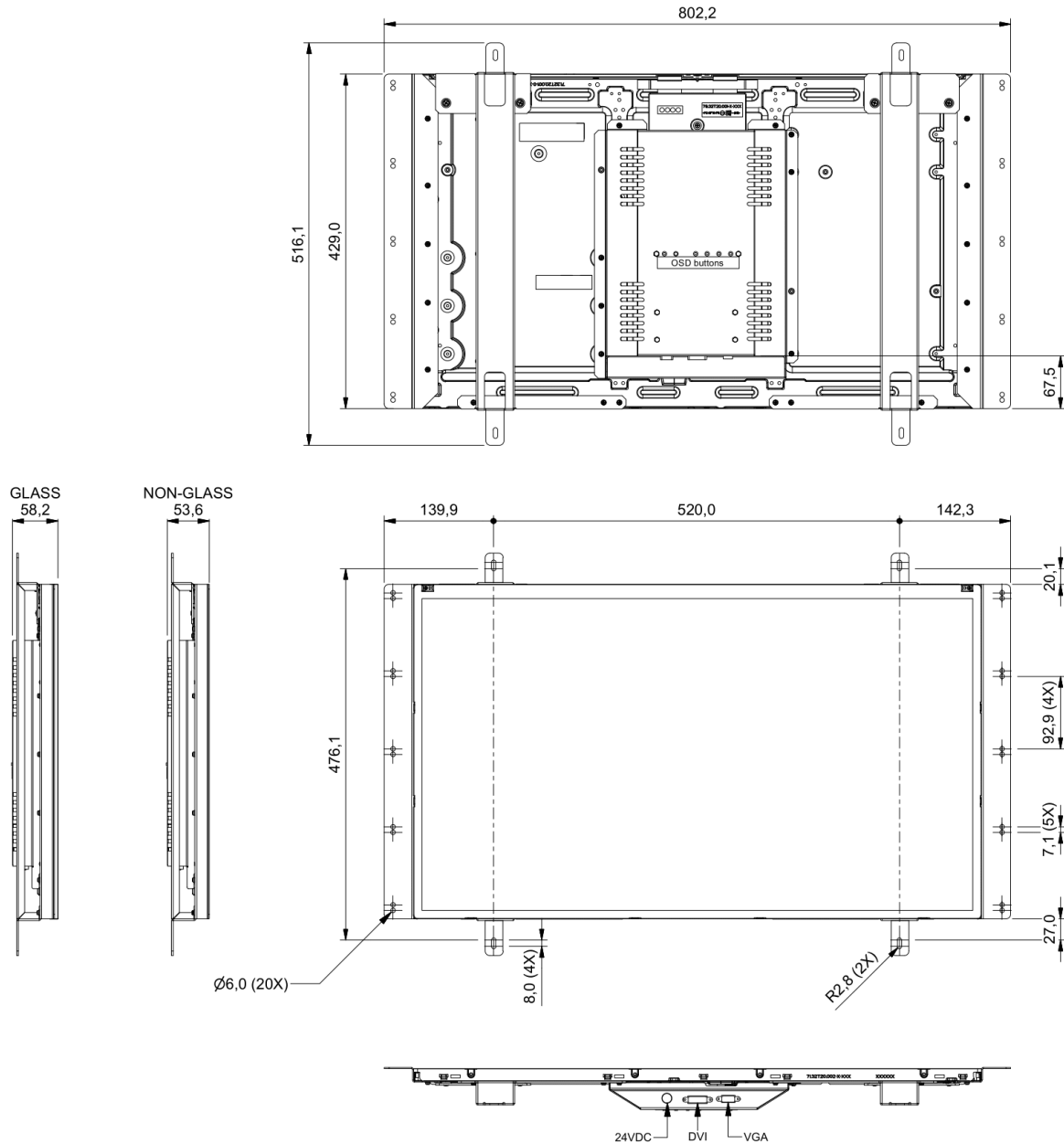
9. **Accessories**

Part number	Description	
22-0012-4	Power cable Euro lead 1.80M	
149-0112-11	VGA cable 1.80m	
149-0121	DVI-D Cable 2 mtr 18+1	