COT320-CFK03

32" Open-Frame Touch Monitor

Projected Capacitive Touch screens

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Safety Instructions

1. Read these safety instructions carefully.

2. Disconnect this equipment from any AC outlet before cleaning. Use a damp cloth. Do not use liquid or spray detergents for cleaning.

3. For plug-in equipment, the power outlet socket must be located near the equipment and must be easily accessible.

4. Keep this equipment away from humidity.

5. Put this equipment on a reliable surface during installation. Dropping it or letting if fall may cause damage.

6. The openings on the enclosure are for air convection. Protect the equipment from overheating. DO NOT COVER THE OPENINGS.

7. Make sure the voltage of the power source is correct before connecting the equipment to the power outlet.

8. Position the power cord so that people cannot step on it . Do not place anything over the power cord.

9. All cautions and warnings on the equipment should be noted.

10. If the equipment is not used for a long time, disconnect it from the power source to avoid damage by transient over voltage.

11. Never pour any liquid into an opening. This may cause fire or electrical shock.

12. Never open the equipment. For safety reasons, the equipment should be opened only by qualified service personnel.

13. If one of the following situations arises, get the equipment checked by service personnel:

    A) The power cord or plug is damaged.

    B) Liquid has penetrated into the equipment.

    C) The equipment has been exposed to moisture.

    D) The equipment does not work well, or you cannot get it to work according to the user's Manuel.

    E) The equipment has been dropped and damaged.

    F) The equipment has obvious signs of breakage.

14. DO NOT LEAVE THIS EQUIPMENT IN AN UNCONTROLLED ENVIRONMENT WHERE THE STORAGE TEMPERATURE IS BELOW -10℃ OR ABOVE 50℃. THIS MAY DAMAGE THE EQUIPMENT.

1.1 Open Frame Touch Monitor Parameters

Display Specifications			
Characteristic	Value		Comment
LCD Size/Type	32" a-Si TFT-LCD		
Aspect Ratio	16:9		
Active Area	Horizontal	700.4mm	
	Vertical	394.9mm	
Pixel	Horizontal	0.36375	
	Vertical	0.36375	
Panel Resolution	1920(RGB)×1080 (FHD)(60Hz)		Native
Display Color	16.7 Million		6-bits + Hi-FRC
Contrast Ratio	1100:1		Typical
Brightness	400 nits		Typical
Response Time	9 ms		Typical
Viewing Angle	Horizontal	178	Typical
	Vertical	178	
Video Signal Input	VGA and DVI and HDMI		
Physical Specifications			
Dimensions	Width	757.8 mm	
	Height	452.3 mm	
	Depth	76mm	
Weight	Net Weight 15 kgs	Shipping Weight 21 kgs	
Box Dimensions	Length	890 mm	
	Width	590 mm	
	Height	140 mm	
Electrical Specifications			
Power Supply	DC 12V 4A		Power Adapter Included
	100-240 VAC, 50-60 Hz		Plug Input
Power Consumption	Operating	38 W	Typical
	Sleep	3 W	
	Off	1 W	
Touch Screen Specifications			
Touch Technology		Project Capacitive Touch Screen 10 Touch Point	
Touch Interface		USB (Type B)	
OS Supported	Plug and Play	Windows All (HID) ,Linux (HID) (Android Option)	
Driver		Driver Offered	
Environmental Specifications			
Condition		Specification	
Temperature	Operating	-10°C ~+ 50°C	
	Storage	-20°C ~ +70°C	
Humidity	Operating	20% ~ 80%	
	Storage	10% ~ 90%	
MTBF		30000 Hrs at 25°C	

1.2 Warranty and Components

1 Year Free Warranty for Monitor and all components.

USB Cable *1 Pcs,

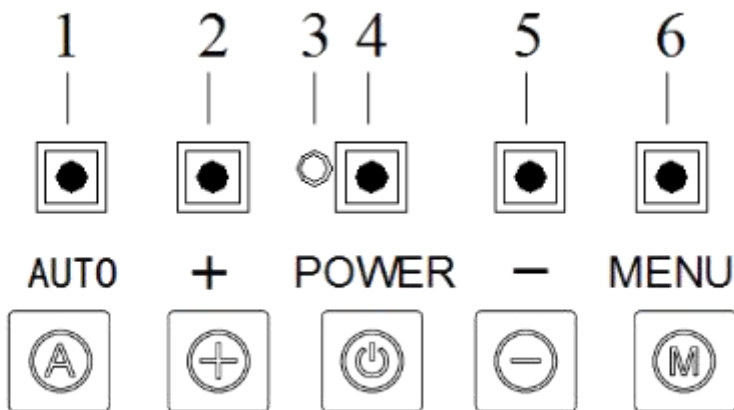VGA Cable *1 Pcs,

Power Cord with Switching Adapter *1 Pcs,

Bracket*2 Pcs

RS232 Cable & DVI Cable Sold Separately

USB   RS232(Option)   VGA   DVI(Option)   Power Cord   Bracket

1.3 OSD Control

1.3.1OSD buttons

1.3.2 Adjusting with OSD control

Five different keys are well-defined for operation . They are labeled on the keypad.
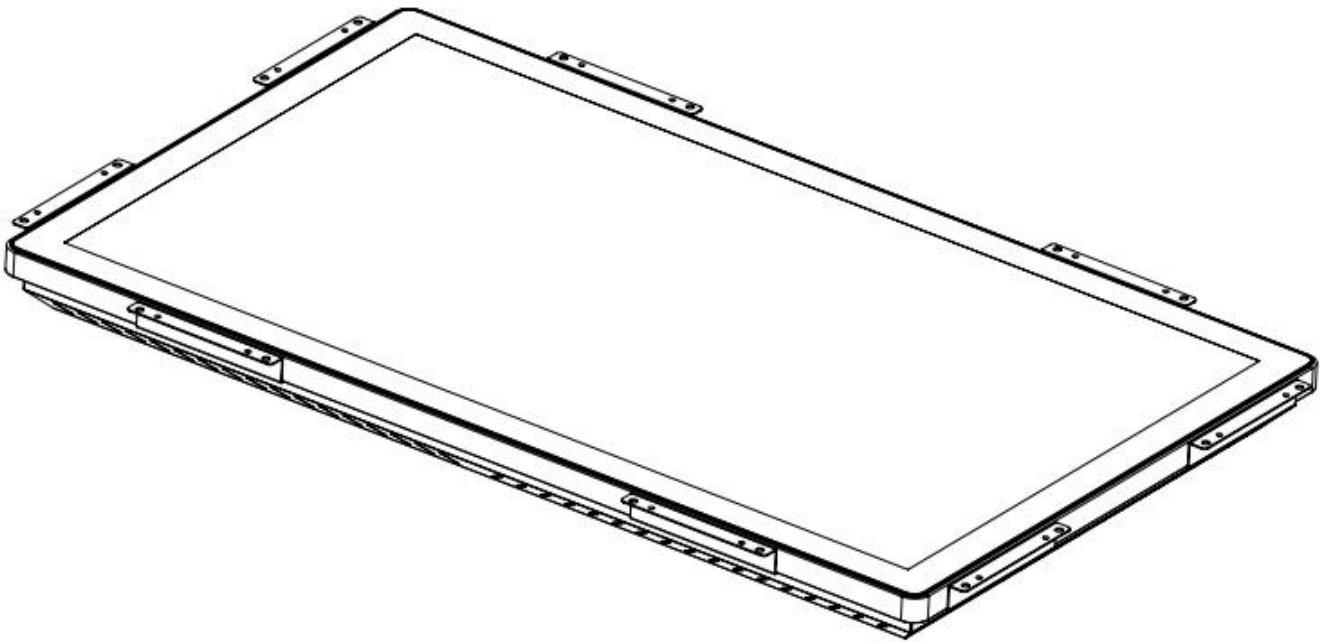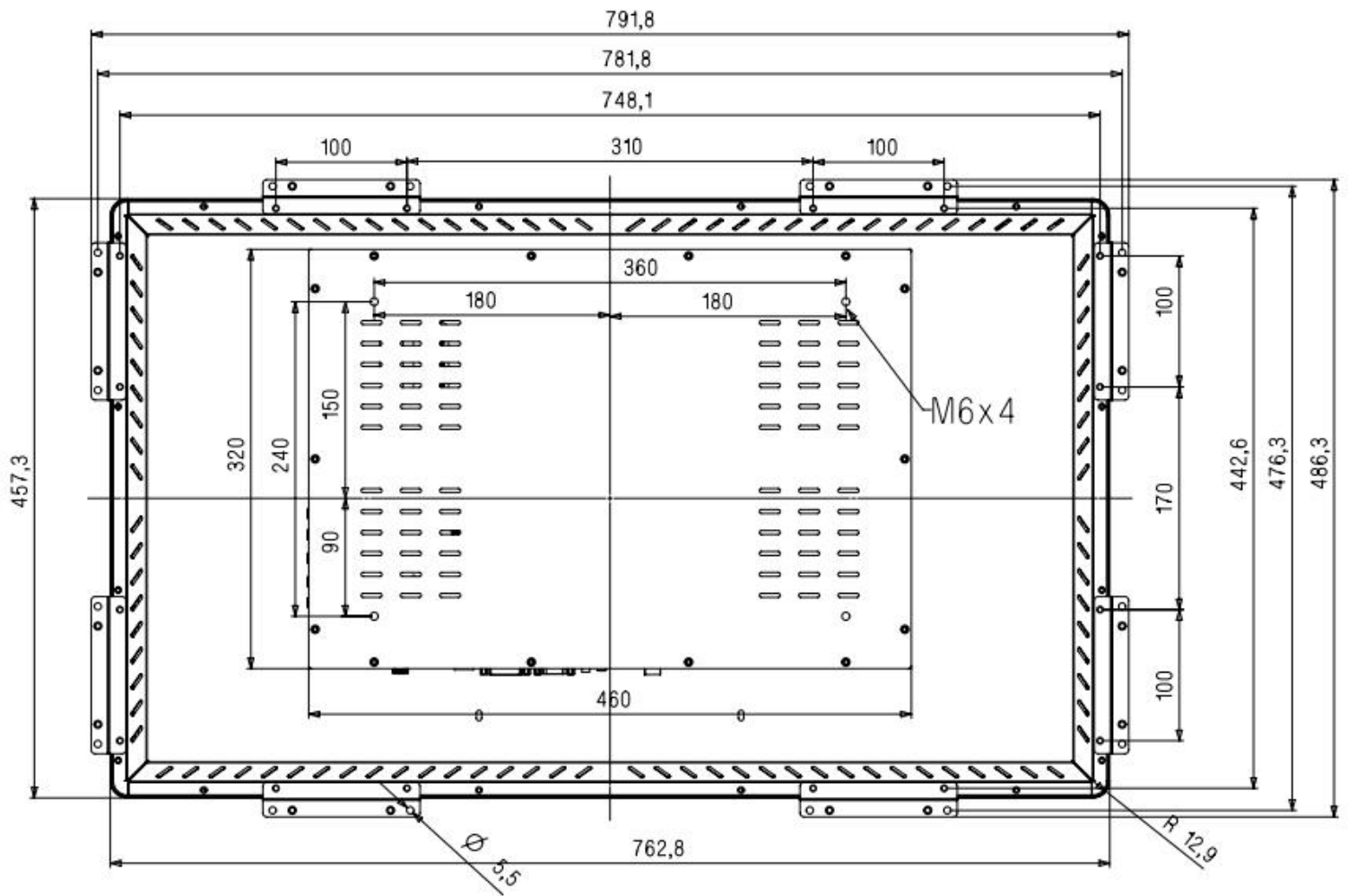
A) **[Power]** Key is designated for Power On/Off

B) **[Menu]** Key is designated for Menu/Enter function depending on the selected item. Pressing [Menu] can invoke OSD menu. After that, [Menu] is also an entry key.

C) **[+]** key is designated for selection function in up direction in OSD menu and also to increase the value on selected function,Directly use + Key is to increase brightness.

D) **[-]** key is designated for selection function in down direction in OSD menu and also to decrease the value on selected function,Directly use - Key is to decrease brightness.

E) **[AUTO]** key is designated for invoking AUTO ADJUST function at any time once is pressed for H-position, V-position, Pixel Clock and Phase for an optimal image.

1.4 Setup the driver

1. Plug and play USB port under win 7 win 8 win 10.For Andriod and Linux need using driver pls contact the sales for support.

1.5 Mechanical Drawing

791,8

781,8

748,1

100   310   100

360

180   180

M6x4

150

320   240

457,3

90

460

762,8

Ø 5,5

R 12,9

100

442,6   476,3   486,3

170

100
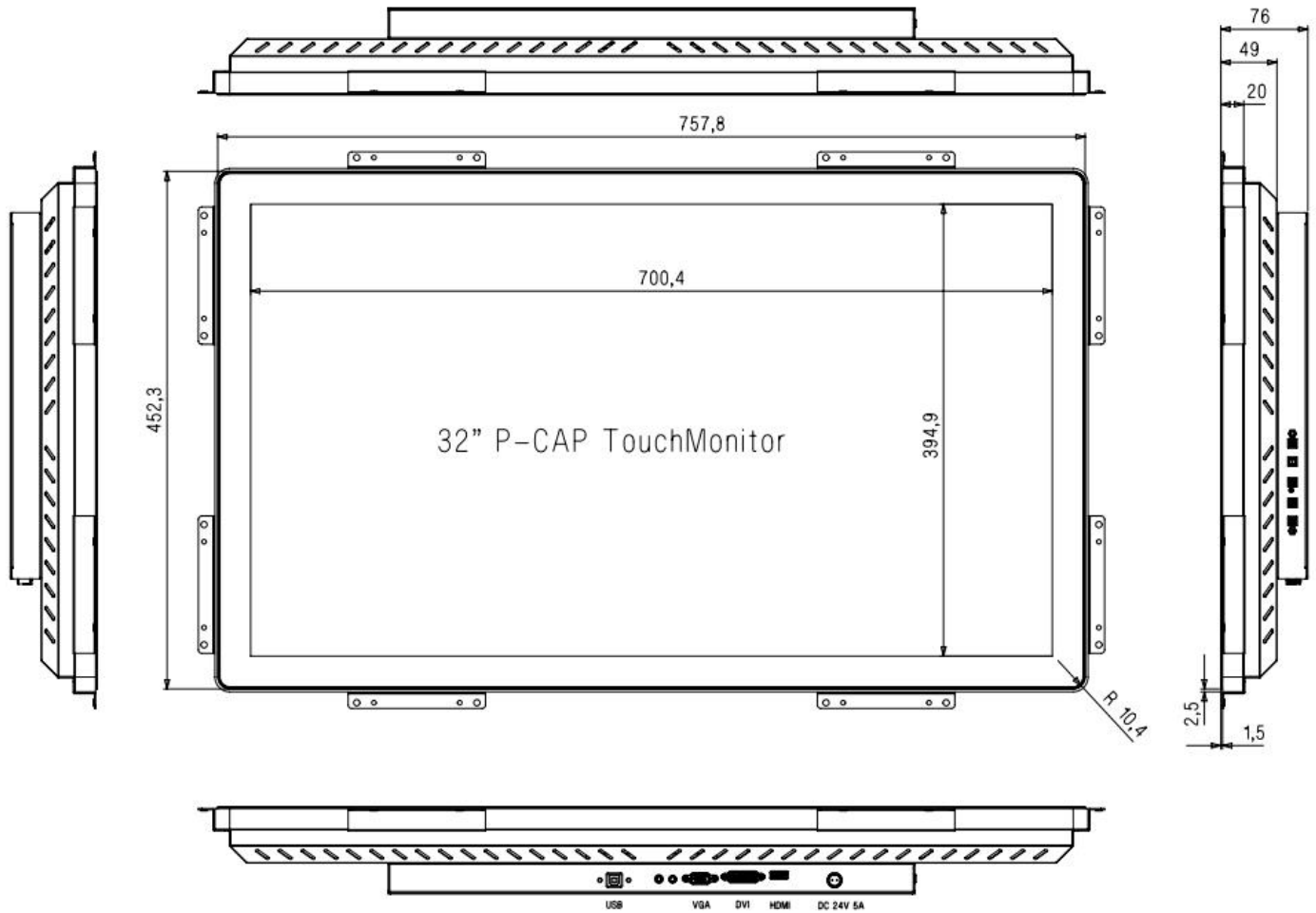
1.6 Mounting guide

1. Build 16 screw studs along the four sides of the cut out opening based on the dimension given on the drawing above.

2.Tighten the screw stud with hex nut and make sure it is stable.

1.7 Electrical Block Diagram

The LCD touch monitor is constructed based on steel open frame architecture. It consists of a 15.6" LED panel, an DC to AC inverter board to support a set of cold cathode fluorescent light, an analog to digital converter board (AD Board) to convert analog RGB signals to digital ones, and a touchscreen used as a pointing device. A metal chassis supports the whole module.

1.7.1 Block Diagram
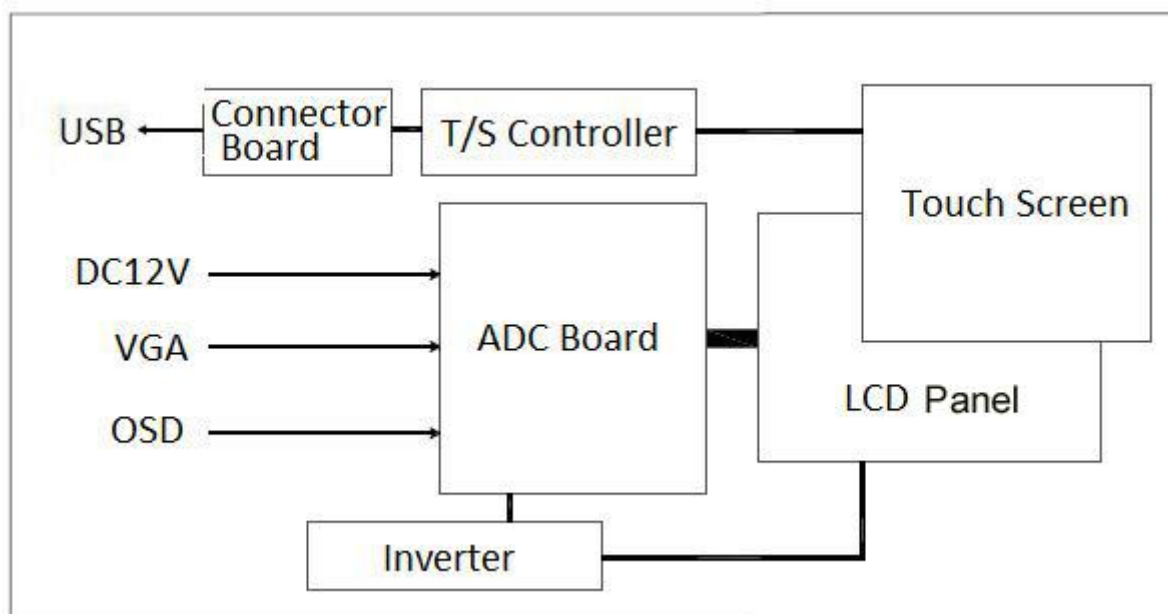
2 Solutions to Common Problems

Problem	Suggestion(s)
The monitor does not respond after you turn on the system	1)Check that the monitor's Power Switch is on. 2)Turn off the power and check the monitor's power cord and signal cable for proper connection.
Characters on the screen are dim	Refer to the About Touch monitor Adjustments section to adjust the brightness.
The screen is blank	1)During operation, the monitor screen may automatically turn off as a result of the Power Saving feature. Press any key to see if the screen reappears. 2) Refer to the About Touch monitor Adjustments section to adjust the brightness.
Screen flashes when initialized	Turn the monitor off then turn it on again.
"Out of Range" display	Check to see if the resolution of your computer is higher than that of the LCD display.Reconfigure the resolution of your computer to make it less than or equal to 1920×1080. See Appendix A for more information on resolution.
Touch doesn't work	Make sure the touch cable is securely attached at both ends.

3 Typical Application

Gaming/Casino Systems
Outdoor and indoor Kiosks
Entertainment
Transport and Ticketing
Hospitality
Banking
Customizsed Solutions

4 How to contact us

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