

Model Name: PN43UNN01.0

Issue Date: 2022/08/12

- Preliminary Specifications.
- Final Specifications

AUO Display Plus Confidential
For TEKDIS Internal Use Only
20220818 13:39:52

Customer Signature	Date	AUO Display Plus	Date
Approved By _____		Approval By PM Director CT Wu _____	
Note		Reviewed By RD Director Lamy Chen _____ Reviewed By Project Leader CH Huang _____ Prepared By PM Kenney Chen _____	

Record of Revision

Version	Date	Page	Description
0.1	2022/6/19		First Version Specification
0.2	2022/8/8	4	Add minimum and maximum value in specification sheet
1.0	2022/8/12		Final Version Specification

Contents

1. General Information.....	5
2. Specification Sheet.....	6
3. Connectivity Definition.....	10
4. Operation Functions	11
4.1. Key pad figure.....	11
4.2. Remote controller figure.....	11
4.3. OSD menu	11
5. Mechanical Drawing	14
6. Packing Specification	15
6.1. Packing Information.....	16
6.2. Loading of Container.....	16
6.3. Packing Flow	16
7. Shipping Label	17
7.1. Product label.....	17
7.2. Carton label	18
8. Precautions	19

8.1. Handling Precautions	19
8.2. Storage Precautions	20
8.3. Operation Precautions	20

1. General Information

This specification applies to the 43 inch TFT LCD Display PN43UNN01.0, The LCD display adopts TFT active matrix liquid crystal panel with 3840 x 2160 pixels, and diagonal size is 43 inch.

PN43UNN01.0 has designed with direct type of LED backlight and 10bits color depth scaling, it performs 500nits brightness and 1.07 billion colors. The LCD display includes RS-232 and LAN connectors for display control and AV connectors for multiple video format input.

Product Feature:

- UHD 3840 x 2160 resolution
- Anti-Glare surface treatment (Haze 25%)
- Side/Bottom I/O design for slim wall mounted
- Built-in media play by USB
- Built-in Speaker (20W).
- Landscape/Portrait mounting
- Reliable 24/7 Operation

2. Specification Sheet

Item		Specification			Unit	Note
Panel	LCD Size	43"			inch	
	Panel Type	Direct LED				
	Aspect Ratio (H/W)	0.41104:0.520416				
	Resolution	3840	2160		pixel	
	Pixel Pitch	0.09	0.09		mm	
	Color Depth	1000:1	1000:1			
	Color Gamut	NTSC 72%				
	Panel Color	10-bit (6-bit FRC)				
	Panel Thickness	8.4mm				
	Frame Rate	60			Hz	
Viewing Angle (H/V/D)	80/80/160			degree		
Panel Contrast	1100:1					
MTBF	50,000			h		
Connectivity	Input	Video	HDMI 1.4/2.0 *2, VGA(D-Sub)*1			
		Audio	Analog			
		Control	RC-333, RJ-45			
		Video	NA			

Output	Audio			
	Video			

Display	Resolution	1920 x 1080			
	Panel Type	IPS			
Operation	Language	English/ French/ Spanish/ German/ Italian/ Russian/ Traditional Chinese(繁 中)/ Japanese/ Simplified Chinese(簡中)			
	Color	16.7M			
Power	Power Consumption (Typical)	12W			
	Power Consumption (Max)	15W			
Mechanical	Net Dimension (L x W x D)	347.0 x 247.0 x 12.0			
	Bezel width (U/D/L/R)	12.0/12.0/12.0/12.0			
	Color / Material	Front bezel	Black / Matte		(2)
		Rear cover	Black / PC-ABS		(2)
	Net Weight	1.2	kg		
VESA Mount	100 x 100				
Environment	Operating Temperature	0 ~ 40	°C		
	Storage Temperature	-20 ~ 60	°C		
	Operating Humidity	20 ~ 80	%RH		
	Storage Humidity	10 ~ 90	%RH		
	Display Flicker	Flicker-free (DC Dimming)			
Accessory	Cable	Power Cable (UL/BSMI/PSE) 1.8M x1 HDMI 1.8M x1 RS232 (phone jack type) 1.8M x1	pc		
	Buttons	2.4 x 2		(5)	
	Documents	QSG x1 (English/Traditional Chinese)	pc		

		User Menu x1 (English/Traditional Chinese)		

Note 1 : The specification is valid under 25°C condition

Note 2 : Standby power is defined by below condition

- Power OFF(power standby mode)

Power Save mode=OFF <1W(LAN or RS232 valid, base on OSD setup)

Power Save mode=ON <0.5W(Only RS232 ON/OFF command valid, other commands

are invalid)

- DPMS(signal standby mode)

Power Save mode=OFF <1W

Power Save mode=ON <1W

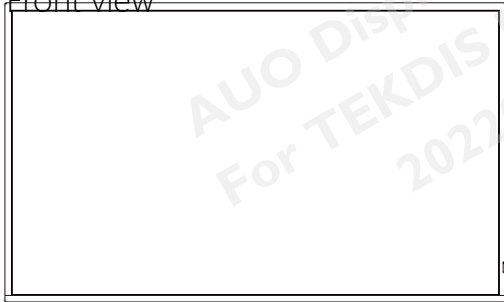
Note 3 : Front Bezel : Metal (SGCC , Painting)

Rear Cover : PC+ABS (94-5VB)

Note 4 : Landscape / Portrait Mode is defined by below figures.

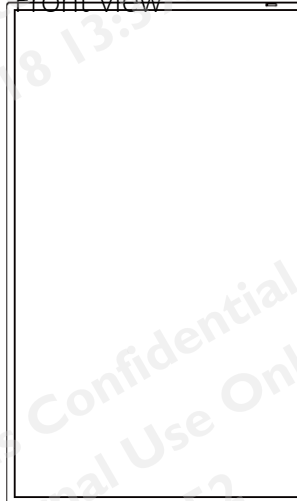
-Landscape-

Front view

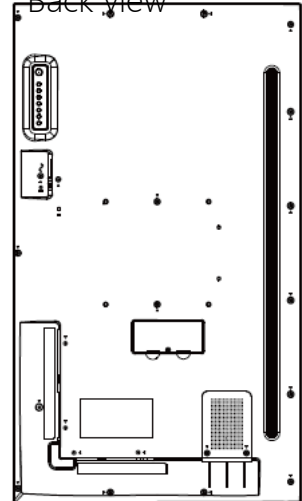


-Portrait-

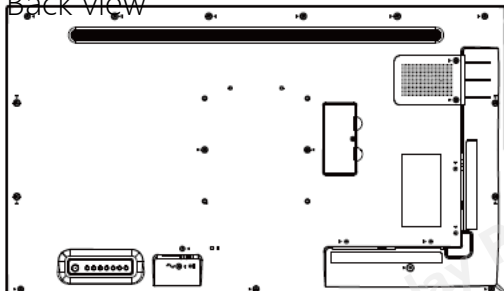
Front view



Back view



Back view



Note 5 : Different according to region

3. Connectivity Definition

Bottom Input / Output terminate



Side Input / Output terminate

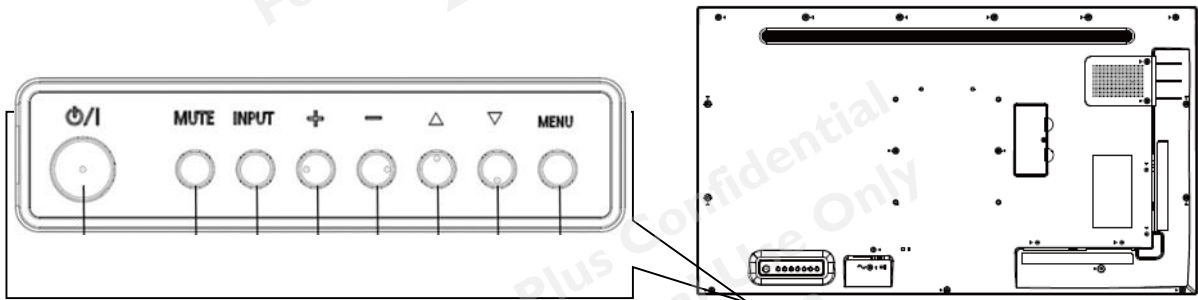


4. Operation Functions

The PN43UNN01.0 is operated by OSD system, and the user can operate OSD menu by key-pad and remote controller.

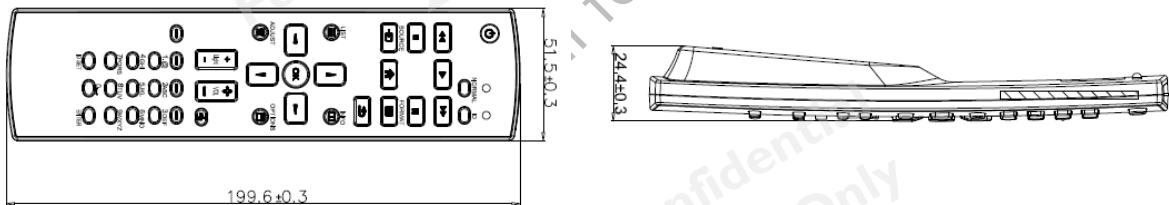
4.1. Key pad figure

The detailed operation is explained in the user manual.



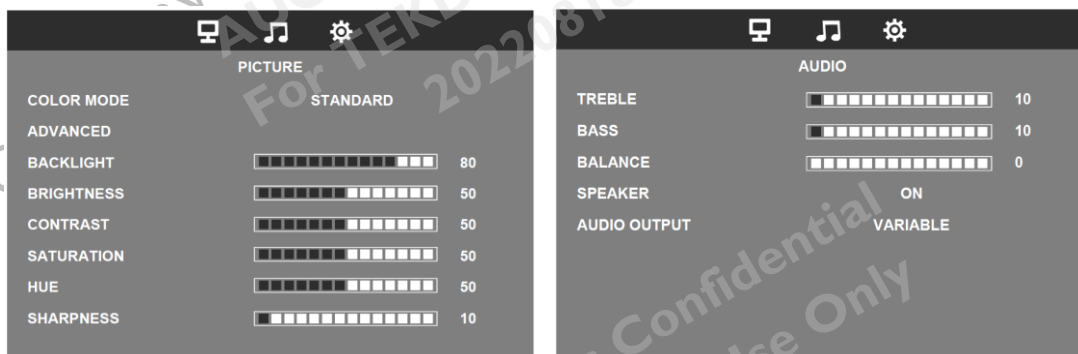
4.2. Remote controller figure

The detailed operation is explained in the user manual.

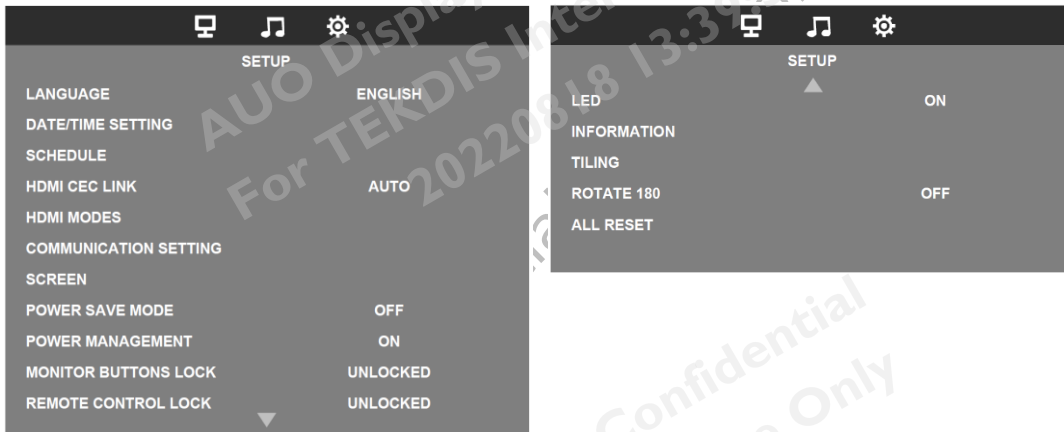


4.3. OSD menu

The detailed operation is explained in the manual.



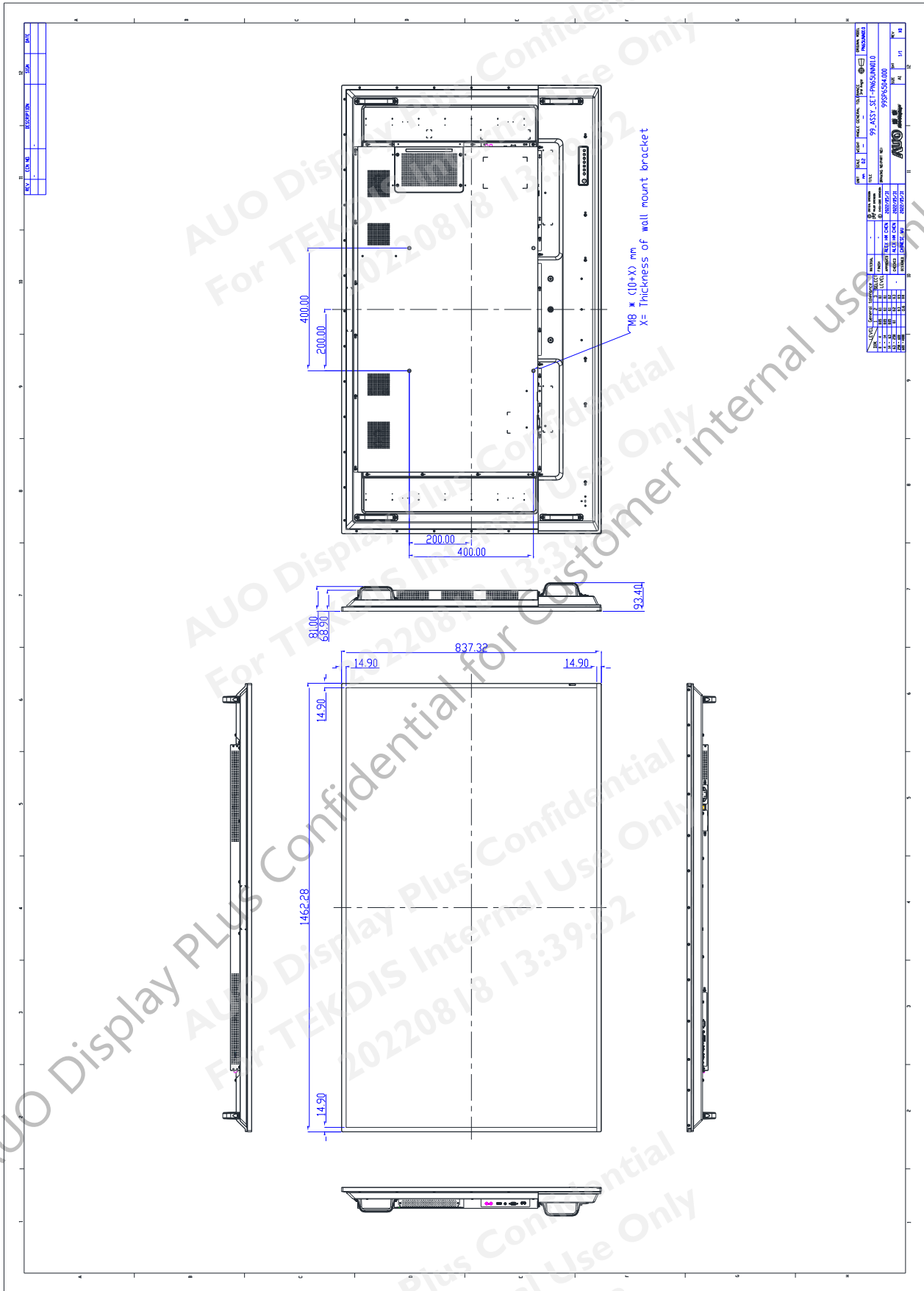
Category	Adjust items
Picture	<ul style="list-style-type: none"> • Color • Advance (Size, color temp., noise reduction, gamma ...etc) • Backlight • Brightness • Contrast • Saturation • Hue • Sharpness
Audio	<ul style="list-style-type: none"> • Treble • Bass • Balance • Speaker (on/off) • Audio output



Category	Adjust items
Setup	<ul style="list-style-type: none"> • Language • Date/Time Setting • Schedule (Auto on/off setting)

	<ul style="list-style-type: none">• HDMI CEC Link• HDMI Modes• Communication Setting (RS-232 or LAN)• Screen• Power Save Mode• Power Management• Monitor Buttons Lock• Remote Control Lock• LED (on/off light)• Information (displays monitor information, eg. input, size, volume...etc)• Tiling• All Reset
--	---

5. Mechanical Drawing



6. Packing Specification

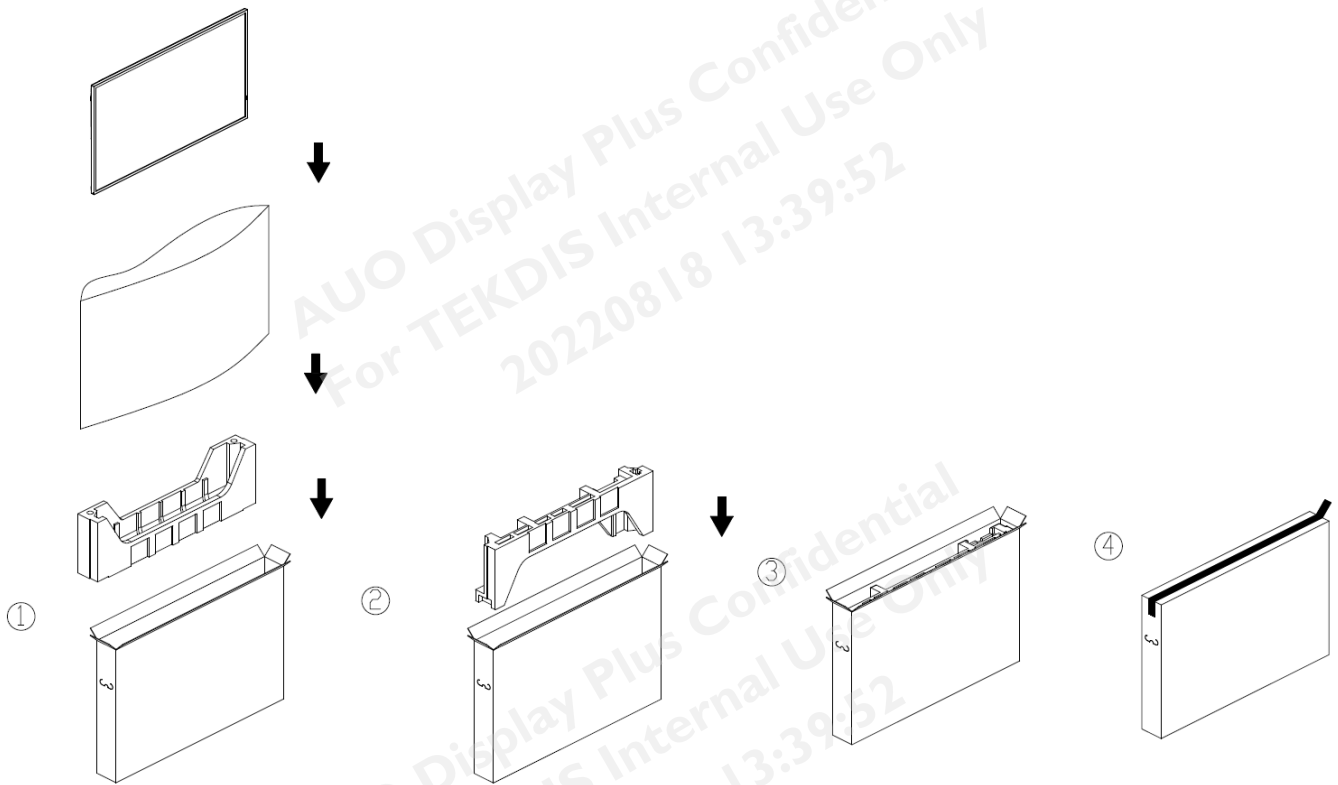
6.1. Packing Information

Item	Specification				Packing Remark
	Type	Qty.	Dimension (L x W x H)	Gross Weight	
Box with display	-	1 pc/box	1070 x 141 x 673 mm	13.8 kg	
Pallet with boxes	A	8 boxes/layer 24 boxes/pallet	1140 x 1080 x 2169 mm	342.0 kg	Pallet :10.75kg Pallet dimension (L x W x H): 1140 x 1080 x 130 mm

6.2. Loading of Container

	Pallet Quantity	Set Quantity	Weight
40' Container	Type A x22 set	528 pcs	7.52 metric ton
20' Container	Type A x10 set	240 pcs	3.42 metric ton

6.3. Packing Flow



7. Shipping Label

7.1. Product label

Label size : 80x140 mm



7.2. Carton label

Label size : 80x80 mm



8. Precautions

8.1. Handling Precautions

- (1) Please do not stack the product without buffers
- (2) Please pick it up from the package in a clean area. The dust or oil may cause electrical short or damage the polarizer.
- (3) Please wipe the screen surface with a clean, soft, fluff-less cloth.
- (4) Please do not press or scratch the product surface with an object which is harder than a HB pencil.
- (5) Wipe off water droplets or oil immediately. Staining and discoloration may occur if they left on panel for a long time.
- (6) If the liquid crystal material leaks from the panel, it should be kept away from the eyes or mouth. In case of contacting with hands, legs or clothes, it should be washed away thoroughly with soap.
- (7) Please do not disassemble the product by yourself.
- (8) Please do not touch the I/O pin or wire without any protection.
- (9) Please handle it at right and left side, it will damage the product if you pick it up with handing it

at top side.

8.2. Storage Precautions

- (1) High temperature or humidity may reduce the performance of the product. Please store the product within the specified storage conditions
- (2) Mist may damage the product.
- (3) It may reduce the display quality if the ambient temperature is lower than -20°C .

8.3. Operation Precautions

- (1) Please do not pull the wire, connector while the product is operating.
- (2) Plug in DC connector first (if needed,) and then plug one end of the AC inlet to the adapter or the display, and plug the other end into an AC outlet.