28 & 32 & 40 & 55 & 65 & 84-INCH TFT-LCD 4K MONITOR

INSTRUCTION MANUAL

Please read this manual thoroughly before use, and keep it handy for future reference.

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GENERAL INFORMATION

Dear Customer,

Thank you for having purchased this product. This document describes how to install and use the LCD colour monitor. Read this manual which contains information for correct, safe use carefully. Keep this manual at hand so that you can refer to it when needed.

1.1 PRODUCT DESCRIPTION AND TYPE OF USE

The LED color monitor presents a very rugged structure. It is designed for continuous operation and can be used in closed circuit TV systems without risks of excessive fatigue. The Flat Panel Display has an active matrix, thin-film transistor (TFT), liquid crystal display (LCD).

1.1.1 GENERAL FEATURES
- ➢ Display area
- ➢ Wall mounting with not included bracket
- ➢ Socket audio input/output
- ➢ HDMI 1.4 & HDMI 2.0 & DP1.2 video input

Multilingual OSD menu for easy setting and optimization of the display

1.2 OPENING THE BOX

Check that the packing and the contents are not visibly damaged. Contact the retailer immediately if parts are either missing or damaged. Do not attempt to use the device in this case. Send the product back in its original packing if it is damaged.

1.2.1 CONTENTS OF THE BOX
- ➢ LED monitor
- ➢ Remote Control (Optional)
- ➢ Power Adaptor
- ➢ Power cable
- ➢ HDMI cable
- ➢ User's manual

Important Note: Accessories may be changed without prior notice.

1.3 WARNINGS

1.3.1 POWER
- ➢ Only use the power unit provided to power the device. Check mains rating before plugging the power unit in. ➢ Do not pull the cable to unplug the device.

1.3.2 SAFETY PRECAUTIONS
- ➢ Keep the device away from rain and humidity to prevent risk of fire and electrocution. Do not introduce material (solid or liquid) inside. If this should accidentally occur, disconnect the device from the mains and have it inspected by qualified personnel.
- ➢ Never open the device. In all cases, contact the qualified personnel or authorized service center for repairs.
- ➢ Keep the device away from children, to prevent accidental damage.
- ➢ Do not touch the device with wet hands to prevent electrical shock or mechanical damage.
- ➢ Do not use the device if it should fall or the external casing is damaged. Risk of electrocution if the device is used in such conditions. Contact the retailer or authorized installer.
- ➢ It is advisable to disconnect the power wire if the monitor is not used for a certain time.

1.3.3 INSTALLATION PRECAUTIONS
- ➢ To prevent overheating the device, arrange it in a position allowing the flow of air through the slots in the casing. Ensure at least 5 cm of free space when installing inside a rack. For

the same reason, do not install sources of heat, such as radiators or hot air ducts. Keep away from direct sunlight. Do not install in areas subject to excessive dust, mechanical vibrations or shocks.

> ➢ Do not arrange this device on an unstable surface, such as a tottering or slanted table. The device could fall causing injury or mechanical failures.

> ➢ Do not install the device in a place where it could be exposed to humidity or water. Do not direct a jet of water onto the device: risk of fire, electrocution or mechanical failure.

> ➢ Stop using the device if water or other material should penetrate inside: risk of fire and electrocution. Contact the retailer or authorized installer.

> ➢ Slots and openings in the cabinet are provided for ventilation. These openings must not be blocked or covered.

> ➢ Do not place heavy or heat generating objects on top of the device: this could damage the casing and/or increase internal temperature causing faults.

> ➢ Do not cover the device with a cloth while it is running to prevent deforming the external casing and overheating the internal parts: risk of fire, electrocution and mechanical failure.

> ➢ Keep magnets and magnetized objects away from the device to prevent faults.

> ➢ Do not use the device in presence of smoke, vapor, humidity, dust or intense vibrations.

> ➢ Wait for a while before operating a device immediately after transporting it from a cold place to a warm place and vice versa. Wait on average for three hours: this will allow the device to adapt to the new ambient (temperature, humidity, etc.).

> ➢ The monitor is provided with a plastic base and rubber feet. It can be positioned on a horizontal surface, such as a desk or a table. Make sure that the device is fastened firmly and that it is not resting on unstable supports or surfaces. Dropping could cause severe injury and damage the device.

> ➢ Remember to adjust the brightness and contrast to obtain a perfect image.

> ➢ The monitor can also be installed on the wall by means of a bracket (not provided).

1.3.4 CLEANING THE DEVICE

> ➢ Rub delicately with a dry cloth to remove dust and dirt.
> ➢ Dip the cloth in neutral detergent if dirt cannot be eliminated with a dry cloth alone.
> ➢ Do not use volatile liquids (such a petrol, alcohol, solvents, etc.) or chemically treated clothes to clean the device to prevent deformation, deterioration or scratches to the paint finish.

1.3.5 PRIVACY AND COPYRIGHT

> ➢ The LED monitor is a device for CCTV systems. Recording of images is subject to the laws in force in your country. Recording of images protected by copyright is forbidden.

> ➢ Product users shall be responsible for checking and respecting all local rules and regulations concerning monitoring and recording video signals. The manufacturing SHALL NOT BE LIABLE for use of this product not in compliance with the laws in force.

2. CONTROLS & SETTINGS

2. 1 Controls:

2.1. 1 Control key board:

1. **"Source"** Use this to select an input source or an item

2. **"Menu"** Use this to select an menu or exit an item.

3. **"** ◁ **"** Use this to move left on the on-screen menu

▲

▼

4. " ⬚ **Use this to move right on the on-screen menu.**

5. "   " Use this to move up on the on-screen menu.

6. "   " Use this to move down on the on-screen menu.

7. "Power" Use this switch to turn on /off the monitor

Source:

Choose the signal source "D0 DP, D1 HDMI, D2 HDMI, D3 HDMI, D4 HDMI".

D0 DP	DI HDMI	D2 HDMI	D3 HDMI	D4 HDMI

Menu:

Choose this button to display the OSD Menu.

◀: Press this key to move left on the on-screen menu and enter the volume adjustment :

VOLUME	▭▭▭▭	80

▶ Press this key to move right on the on-screen menu and enter the backlight control :

BACKLIGHT	▭▭▭	50

Power:

Press the power button to open or close the display

Indicator	**Status**
Lit (No)	Power off
Lit (Green)	Power on
Blinking (Red)	Power saving mode

2.2 4K LED OSD MENU CONTROLS

A. REGION ADJUST
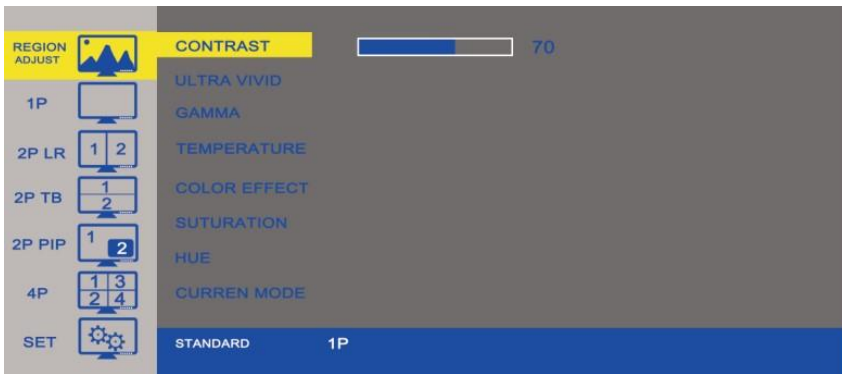
Option	Function	Value
CONTRAST	Adjust the contrast between white and black.	0 ~100
ULTRA VIVID	Adjust the sharpness parameters according to ambient light	OFF, L (Low), M(Middle), H(High)
GAMMA	Adjust color saturation of the image.	OFF, 1.8, 2.0, 2.2, 2.4
TEMPERATURE	Adjust the color setting	11000, 9300, 7500, 6500, USER
COLOR EFFECT	Adjust the color setting of picture display	Standard, Games, Movies, Pictures, FPS1, FPS2
SATURATION	Adjust the concentration of color picture.	0 ~100
HUE	Only used in NTSC system	
CURREN MODE	Display current mode	Standard 1 Picture

B. 1P

Option	Function	Value
INPUT	Choose the input source	D0 DP, D1 HDMI, D2 HDMI, D3 HDMI, D4 HDMI
AUDIO INPUT	According to the input source you choose.	
ENTER 1P MODE	Enter into one picture showing screen.	

C. 2P LR

Option	Function	Value
DISPLAY FUNCTION	Select the Ratio & Swap of the picture	See table above
SELECT REGION	Select which region to edit	See table above
INPUT	Select the first display channel	Select "LEFT" input. Press enter
	Select HDMI 1 (for example)	Press exit
	Select the second display channel	Select "RIGHT" input. Press enter
	Select HDMI 3 (for example)	Press exit and press exit again
Confirm	Move to "Enter 2 PTB mode"	Press enter
AUDIO INPUT	Select the audio channel	See table below
ENTER 2PLR MODE	Enter this display mode.	

DISPLAY FUNCTION

2PLR RATIO	Adjust the aspect ratio of the image from "0-4".
2PLR SWAP	Choose to swap the left and right picture.

SELECT REGION

2PLR LEFT SIDE	Select the left side picture.
2PLR RIGHT SIDE	Select the right side picture.
2PLR FULL	Select left and right side picture.

INPUT

2PLR LEFT INPUT	D0 DP, D1 HDMI, D2 HDMI, D3 HDMI, D4 HDMI, AUTO.
2PLR RIGHT INPUT	D0 DP, D1 HDMI, D2 HDMI, D3 HDMI, D4 HDMI.

AUDIO INPUT

2PLR LEFT INPUT	Choose audio input of the left picture display.
2PLR RIGHT INPUT	Choose audio input of the right picture display.

D. 2P TB

Option	Function	Value
DISPLAY FUNCTION	Swap the input source of Top or Below display	
SELECT REGION	Select which region to edit	See table below
INPUT	Select the display channel	See table below
AUDIO INPUT	Select the audio channel	See table below
ENTER 2PTB MODE	Enter into two Top and below position pictures display.	

SELECT REGION

2PTB Top SIDE	Select the top side picture.
2PTB Bottom SIDE	Select the below side picture.
2PTB FULL	Select top and below side picture.

INPUT

2PTB TOP INPUT	D0 DP, D1 HDMI, D2 HDMI, D3 HDMI, D4 HDMI, AUTO.
2PTB BOTTOM INPUT	D0 DP, D1 HDMI, D2 HDMI, D3 HDMI, D4 HDMI.

AUDIO INPUT

2PTB TOP INPUT	Choose audio input of the top picture diplay.
2PTB BOTTOM INPUT	Choose audio input of the bottom picture diplay.

E. 2P PIP
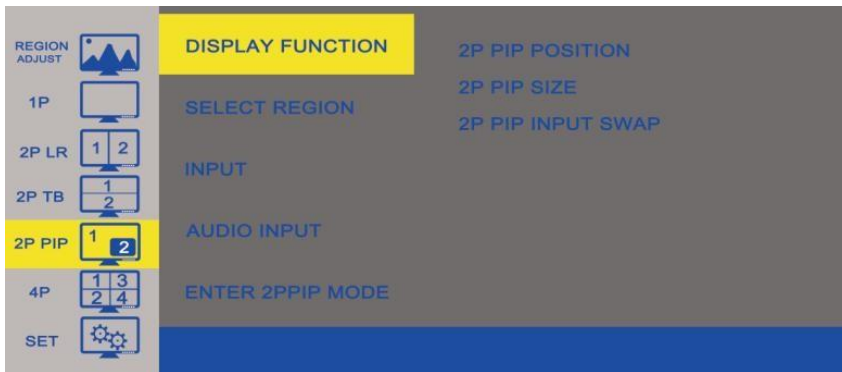
Option	Function	Value
DISPLAY FUNCTION	Choose which function you need for PIP display	See table below
SELECT REGION	Select which region to edit	See table below
INPUT	Select the display channel	See table below
AUDIO INPUT	Select the audio channel	See table below
ENTER 2P PIP MODE	Enter into two Top and below position pictures display.	

DISPLAY FUNCTION

2P PIP POSITION	You can choose LEFT TOP, RIGHT TOP, LEFT LOW, RIGHT LOW, MID, USER
2P PIP SIZE	You can choose the PIP size from 0-10.
2P PIP INPUT SWAP	Swap the Picture in Picture display.

SELECT REGION

2P PIP MAIN	Select the main PIP display area.
2P PIP SUB	Select the sub PIP display area.
2P PIP FULL	Select main and sub PIP display area.

INPUT

2P PIP MAIN INPUT	D0 DP, D1 HDMI, D2 HDMI, D3 HDMI, D4 HDMI, AUTO.
2P PIP SUB INPUT	D0 DP, D1 HDMI, D2 HDMI, D3 HDMI, D4 HDMI.

AUDIO INPUT

| 2P PIP MAIN INPUT | Choose audio input of the main picture diplay. |
| 2P PIP SUB INPUT | Choose audio input of the sub picture diplay. |

F. 4P

Option	Function	Value
SELECT REGION	Select which region to edit	See table below
INPUT	Select the display channel	See table below
AUDIO INPUT	Select the audio channel	See table below
ENTER 4P MODE	Enter into four spiting pictures, left top, right top, left bottom, right bottom.	

SELECT REGION

4P LEFT TOP	Select the left top display area.
4P LEFT LOW	Select the left low display area.
4P RIGHT TOP	Select the right top display area.
4P RIGHT LOW	Select the right low display area.
4P FULL	Select all display area.

INPUT

LEFT TOP INPUT	D0 DP, D1 HDMI, D2 HDMI, D3 HDMI, D4 HDMI, AUTO.
LEFT LOW INPUT	D0 DP, D1 HDMI, D2 HDMI, D3 HDMI, D4 HDMI.
RIGHT TOP INPUT	D0 DP, D1 HDMI, D2 HDMI, D3 HDMI, D4 HDMI.
RIGHT LOW INPUT	D0 DP, D1 HDMI, D2 HDMI, D3 HDMI, D4 HDMI.

AUDIO INPUT

LEFT TOP INPUT	Choose audio input of the left top diplay.
LEFT LOW INPUT	Choose audio input of the left low diplay.
RIGHT TOP INPUT	Choose audio input of the right top diplay.
RIGHT LOW INPUT	Choose audio input of the right low diplay.

G. SET

Option	Function	Value
DISPLAY SET	Choose the setting of display function.	See table below
AUDIO SET	Adjust the setting of Audio.	See table below
OSD SET	Adjust the setting of OSD Menu.	See table below
OD (Over Driver)	Accelerate the panel response time .	
INFORMATION	Show display information	
RESET	Restore to factory settings	

DISPLAY SET

BACK LIGHT	Adjust the brightness of back light from "0-100".
LOW BLUE LIGHT	To open or close low blue function.
SHARPNESS	Adjust the sharpness parameters according to ambient light from "0-4".
ASPECT RATIO	Choose Full, 1:1, 16:9 or 4:3 display.
DP OPTION	Choose DP1.1, DP 1.2 channel.
BORDER WIDTH	Adjust the border width of pictures, value from " 0-10".
BORDER COLOR	Adjust the border color " RED, GREEN, BLUE, WHITE" of pictures.

AUDIO SET

VOLUME	Adjust the value of volume, value from "0-100".
MUTE	Turn off the sound.

OSD SET

LANGUAGE	To select the language you need. English, French, Spanish, Portuguese, Russian
MENU TIME	To set up the OSD menu display time.
OSD H POSITION	Adjust the horizontal position of OSD Menu.
OSD V POSITION	Adjust the vertical position of OSD Menu.

3, Product specifications

Display Specification	
Panel Type	28'' (16:9) LED Backlit Monitor
Case Type	Plastic
Best Resolution	3840(H) x 2160(V) @ 60 Hz
Active Display Area	648.9 (H) X 369.3 (V)
Pixel Pitch	0.16 (H) x 0.16 (V)
Contrast Ratio	3000:1
Brightness	300 cd/m²
Response Time	5ms(G2G)
Viewing Angle	U/D: 85° / 85°, L /R: 80° / 80°
Display Colors	1.07G
PC Compatible Frequency	30-145KHz(H) / 50-130Hz(V)
Adjustable Color Temperature	11000K / 9300K / 7500K / 6500K /USER
Video Compatibility	Multi-Standard for NTSC / PAL
Aspect Ratio	16: 9
Speaker Multimedia Speakers	Right x 1 Left x 1, 2X5W
Sound Demodulation	Stereo. Audio
Mute	Yes
Operating Humidity	20 % - 70 %
Operating Temperature	- 10 to 50 °C
IN/OUT INTERFACE	
Video Interface	HDMI 1.4 x 3, HDMI 2.0 x 1, DP 1.2 x 1
Audio Interface	Audio Out x 1,
Safety & EMC Certification	CE / FCC / ROHS
Stand Type	Desktop
Color	Black
Button Position	Right Hand Side
POWER Voltage	AC90-130V 57-63Hz
Power Consumption	≤40W

Display Specification			
Panel Type	28" (16:9) LED Backlit Monitor	32" (16:9) LED Backlit Monitor	40" (16:9) LED Backlit Monitor
Case Type	Metal		
Best Resolution	3840(H) x 2160(V) @ 60 Hz		
Active Display Area	648.9 (H) X 369.3 (V)	708.48 (H) X 398.52 (V)	881.112(H) x 488.352(V) mm
Pixel Pitch	0.16 (H) x 0.16 (V)	0.1845 (H) x 0.1845 (V)	0.228675 (H) x 0.2247 (V) mm
Contrast Ratio	3000:1	3000:1	5000:1
Brightness	300 cd/m²	300 cd/m²	350 cd/m²
Response Time	5ms(G2G)	5ms	8.5ms
Viewing Angle	U/D: 85° / 85°, L /R: 80° / 80°	U/D: 89° / 89°, L /R: 89° / 89°	U/D: 89° / 89°, L /R: 89° / 89°
Display Colors	1.07G		
PC Compatible Frequency	30-145KHz(H) / 50-130Hz(V)	121.8-140KHz(H) / 47-63Hz(V)	121.8-140KHz(H) / 47-63Hz(V)
Adjustable Color Temperature	11000K / 9300K / 7500K / 6500K /USER		
Video Compatibility	Multi-Standard for NTSC / PAL		
Aspect Ratio	16: 9		
Speaker Multimedia Speakers	Right x 1 Left x 1, 2X5W		
Sound Demodulation	Stereo. Audio		
Mute	Yes		
Operating Humidity	20 % - 70 %		
Operating Temperature	- 10 to 50 °C		
IN/OUT INTERFACE			
Video Interface	HDMI 1.4 x 3, HDMI 2.0 x 1, DP 1.2 x 1		
Audio Interface	Audio Out x 1,		
Safety & EMC Certification	CE / FCC / ROHS		
Stand Type	Desktop		
Color	Black		
Button Position	Right Hand Side		

POWER Voltage	AC90-130V 57-63Hz		
Power Consumption	≤40W	≤55W	≤70W

Display Specification			
Panel Type	55" (16:9) LED Backlit Monitor	65" (16:9) LED Backlit Monitor	84" (16:9) LED Backlit Monitor
Case Type	Metal		
Best Resolution	3840(H) x 2160(V) @ 60 Hz		
Active Display Area	1209.6 (H) x 680.4 (V) mm	1428.48 (H) x 803.52 (V) mm	1860.48 (H) x 1046.52 (V) mm
Pixel Pitch	0.315 (H) x 0.315 (V) mm	0.372 (H) x 0.372 (V) mm	0.4845 (H) x 0.4845 (V) mm
Contrast Ratio	1200:1	1400:1	3000:1
Brightness	450 cd/m²	450 cd/m²	450 cd/m²
Response Time	8ms	5ms	5ms
Viewing Angle	U/D: 89° / 89°, L /R: 89° / 89°	U/D: 89° / 89°, L /R: 89° / 89°	U/D: 89° / 89°, L /R: 89° / 89°
Display Colors	1.07G		
PC Compatible Frequency	121.8-140KHz(H) / 47-63Hz(V)	244-280KHz(H) / 108-122Hz(V)	244-280KHz(H) / 108-122Hz(V)
Adjustable Color Temperature	11000K / 9300K / 7500K / 6500K /USER		
Video Compatibility	Multi-Standard for NTSC / PAL		
Aspect Ratio	16: 9		
Speaker Multimedia Speakers	Right x 1 Left x 1, 2X5W		
Sound Demodulation	Stereo. Audio		
Mute	Yes		
Operating Humidity	20 % - 70 %		
Operating Temperature	- 10 to 50 °C		
IN/OUT INTERFACE			
Video Interface	HDMI 1.4 x 3, HDMI 2.0 x 1, DP 1.2 x 1		
Audio Interface	Audio Out x 1,		
Safety & EMC Certification	CE / FCC / ROHS		

Stand Type	Desktop		
Color	Black		
Button Position	Right Hand Side		
POWER Voltage	AC90-130V 57-63Hz		
Power Consumption	≤96W	≤170W	≤395W