AG neovo

PN-46D3 LCD Display

User Manual

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SAFETY INFORMATION

Federal Communications Commission (FCC) Notice (U.S. Only)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Use only an RF shielded cable that was supplied with the display when connecting this display to a computer device.

To prevent damage which may result in fire or shock hazard, do not expose this appliance to rain or excessive moisture.

THIS CLASS A DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE CANADIAN INTERFERENCE CAUSING EQUIPMENT REGULATIONS.
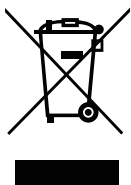
CE

WARNING: This equipment is compliant with Class A of EN55032/CISPR 32. In a residential environment this equipment may cause radio interference.

SAFETY INFORMATION

Waste Electrical and Electronie Equipment-WEEE

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product

For Private Households in the European Union.To help conserve natural resources and ensure the product is recycled in a manner that protects human health and the environment, we would like to bring your attention to the following:

- The crossed-out dustbin on the device or outer packaging indicates the product is compliant with European WEEE (Waste Electrical and Electronic Equipment) Directive

- Always dispose of the old devices separately from household waste

- Batteries should be removed beforehand and disposed separately to the right collection system

- You are responsible with regard to the deletion of personal data on old devices before disposal

- Private households can hand in their old devices free of charge

- For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product

Turkey RoHS

Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur.

Ukraine RoHS

Обладнання відповідає вимогам Технічного регламенту щодо обмеження використання деяких небезпечних речовин в електричному та електронному обладнанні, затвердженого постановою Кабінету Міністрів України від 3 грудня 2008 № 1057.

PRECAUTIONS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

Symbols used in this manual

	This icon indicates the existence of a potential hazard that could result in personal injury or damage to the product.
	This icon indicates important operating and servicing information.

Notice

• Read this User Manual carefully before using the LCD display and keep it for future reference.

• The product specifications and other information provided in this User Manual are for reference only. All information is subject to change without notice. Updated content can be downloaded from our web site at **www.agneovo.com**.

• To protect your rights as a consumer, do not remove any stickers from the LCD display. Doing so may affect the determination of the warranty period.

Cautions When Setting Up

• Do not place the LCD display near heat sources, such as a heater, exhaust vent, or in direct sunlight.

• Do not cover or block the ventilation holes in the housing.

• Place the LCD display on a stable area. Do not place the LCD display where it may subject to vibration or shock.

• Place the LCD display in a well-ventilated area.

• Do not place the LCD display outdoors.

• To avoid the risk of shock or permanent damage to the set, do not expose the display to dust, rain, water or an excessively moist environment.

• Do not spill liquid or insert sharp objects into the LCD display through the ventilation holes. Doing so may cause accidental fire, electric shock or damage the LCD display.

PRECAUTIONS

Cautions When Using

- Use only the power cord supplied with the LCD display.

- The power outlet should be installed near the LCD display and be easily accessible.

- If an extension cord is used with the LCD display, ensure that the total current consumption plugged into the power outlet does not exceed the ampere rating.

- Do not allow anything to rest on the power cord. Do not place the LCD display where the power cord may be stepped on.

- If the LCD display will not be used for an indefinite period of time, unplug the power cord from the power outlet.

- To disconnect the power cord, grasp and pull by the plug head. Do not tug on the cord; doing so may cause fire or electric shock.

- Do not unplug or touch the power cord with wet hands.

- When turning off the display by detaching the power cord, wait 6 seconds before re-attaching the power cord for normal operation.

- Do not knock or drop the display during operation or transportation.

Cleaning and Maintenance

- To protect your display from possible damage, do not put excessive pressure on the LCD panel. When moving your display, grasp the frame to lift; do not lift the display by placing your hand or fingers on the LCD panel.

- Unplug the display if you need to clean it with a slightly damp cloth. The screen may be wiped with a dry cloth when the power is off. However, never use organic solvent, such as, alcohol, or ammonia-based liquids to clean your display.

- If your display becomes wet, wipe it with dry cloth as soon as possible.

- If a foreign substance or water gets in your display, turn the power off immediately and disconnect the power cord. Then remove the foreign substance or water, and send the unit to the maintenance center.

- In order to maintain the best performance of your display and ensure a longer lifetime, we strongly recommend using the display in a location that falls within the following temperature and humidity ranges.
    - ♦ Temperature: 0-40°C (32-104°F)
    - ♦ Humidity: 20-80% RH

Warning:

Unplug the power cord from the power outlet and refer to qualified service personnel under the following conditions:

- ♦ When the power cord is damaged.

- ♦ If the LCD display has been dropped or the housing has been damaged.

- ♦ If the LCD display emits smoke or a distinct odor.

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PRECAUTIONS

Notice for the LCD Display

- In order to maintain the stable luminous performance, it is recommended to use low brightness setting.

- Due to the lifespan of the lamp, it is normal that the brightness quality of the LCD display may decrease with time.

- When static images are displayed for long periods of time, the image may cause an imprint on the LCD display. This is called image retention or burn-in.

  ♦ To prevent image retention, do any of the following:

    - Set the LCD display to turn off after a few minutes of being idle.
    - Use a screen saver that has moving graphics or a blank white image.
    - Execute the ANTI-BURN-IN function of the LCD display. See **SYSTEM 2** > **ANTI-BURN-IN** section.
    - Switch desktop backgrounds regularly.
    - Adjust the LCD display to low brightness settings.
    - Turn off the LCD display when the system is not in use.

  ♦ Things to do when the LCD display shows image retention:

    - Turn off the LCD display for extended periods of time. It can be several hours or several days.
    - Use a screen saver and run it for extended periods of time.
    - Use a black and white image and run it for extended periods of time.

- There are millions of micro transistors inside the LCD display. It is normal for a few transistors to be damaged and to produce spots. This is acceptable and is not considered a failure.

- **IMPORTANT**: Always activate a moving screen saver program when you leave your display unattended. Always activate a periodic screen refresh application if the unit will display unchanging static content. Uninterrupted display of still or static images over an extended period may cause "burn in", also known as "after-imaging" or "ghost imaging", on your screen. This is a well-known phenomenon in LCD panel technology. In most cases, the "burned in" or "after-imaging" or "ghost imaging" will disappear gradually over a period of time after the power has been switched off.

- **WARNING**: Severe "burn-in" or "after-image" or "ghost image" symptoms will not disappear and cannot be repaired. This is also not covered under the terms of your warranty.

CHAPTER 1: PRODUCT DESCRIPTION

1.1 Unpacking

- This product is packed in a packaging box which contains standard accessories.

- Any other optional accessories will be packed separately.

- Considering the size and weight of the display, it is recommended that this product is carried out by two persons.

- After opening the packaging box, ensure that the included items are in good condition and complete.

1.2 Package Contents

When unpacking, check if the following items are included in the package. If any of them is missing or damaged, contact your dealer.
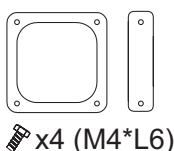
☐ **LCD Display**
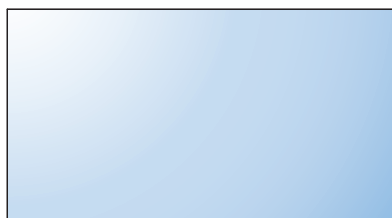
☐ **Remote Control**

☐ **Quick Start Guide**

☐ **Angle iron for splicing with screw x 4pcs**

x4 (M4*L6)

☐ **Power Cord**

☐ **LAN Cable**

☐ **RS232 Cable**
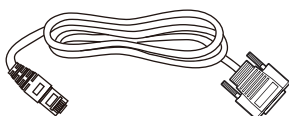
☐ **HDMI Cable**
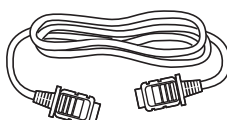
☐ **IR receiver cable**

Note:

⚠ **Attention!!**
Batteries not included.

♦ No batteries for remote control are included.

♦ Remote control requires 2x AAA battery.

♦ Power Requirements:

AC 220-240V 50/60 Hz is used.

♦ Disconnect the power supply when it is to be kept idle for a long time.

♦ The pictures are for reference only. Actual items may vary upon shipment.

♦ For all other regions, apply a power cord that conforms to the AC voltage of the power socket and has been approved by and complies with the safety regulations of the particular country.

♦ You might like to save the package box and packing material for shipping the display.

PRODUCT DESCRIPTION

1.3 Preparing for the Installation

• Due to the high power consumption, always use the plug exclusively designed for this product. If an extended line is required, please consult your service agent.

• The product should be installed on a flat surface to avoid tipping. The distance between the back of the product and the wall should be maintained for proper ventilation. Avoid installing the product in the kitchen, bathroom or any other places with high humidity so as not to shorten the service life of the electronic components.

• The product can normally operate only under 3000m in altitude. In installations at altitudes above 3000m, some abnormalities may be experienced.

1.4 Wall Mounting Installation

To mount this display to a wall, you will have to obtain a standard wall-mounting kit (commercially available).

To wall-mount the LCD display, screw the mounting bracket to the VESA holes at the rear of the LCD display.

400mm

400mm
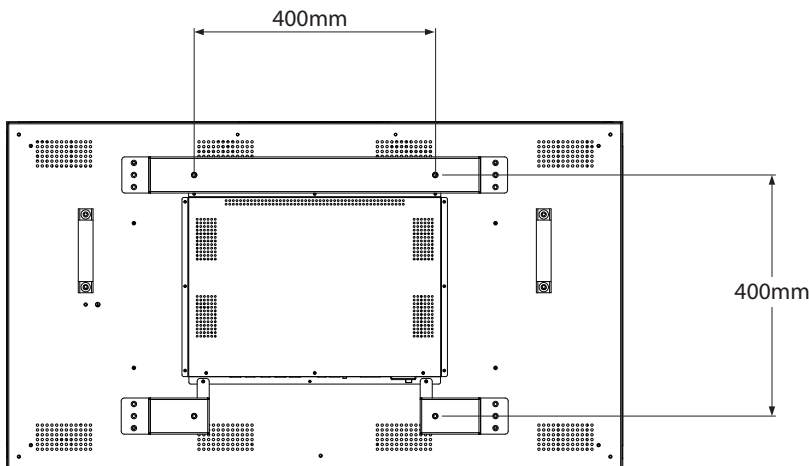
Warning:

♦ Do not press too hard on the LCD panel or edge of the frame, as this may cause the device to malfunction.

Note:

♦ Avoid the wall-mounting kit to block the ventilation holes on the back of the display.

♦ Secure the LCD display on a solid wall strong enough to bear its weight.

♦ Lay a protective sheet on a table, which was wrapped around the display when it was packaged, beneath the screen surface so as not to scratch the screen face.

♦ Ensure you have all accessories for mounting this display (wall mount, ceiling mount, etc).

♦ Follow the instructions that come with the base mounting kit. Failure to follow correct mounting procedures could result in damage to the equipment or injury to the user or installer. Product warranty does not cover damage caused by improper installation.

PRODUCT DESCRIPTION

1.4.1 VESA Grid

Model Name	VESA Grid
PN-46D3	400(W) x 400(H)mm

⚡ Caution:

To prevent the display from falling:

♦ For wall or ceiling installation, we recommend installing the display with metal brackets which are commercially available. For detailed installation instructions, see the guide received with the respective bracket.

♦ To lessen the probability of injury and damage resulting from fall of the display in case of earthquake or other natural disaster, be sure to consult the bracket manufacturer for installation location.

1.4.2 Ventilation Requirements for Enclosure Locating

To allow heat to disperse, leave space between surrounding objects as shown in the diagram below.

Note:

♦ For the wall-mounting kit, use M6 mounting screws (15 mm to 40 mm in length) and tighten them securely.
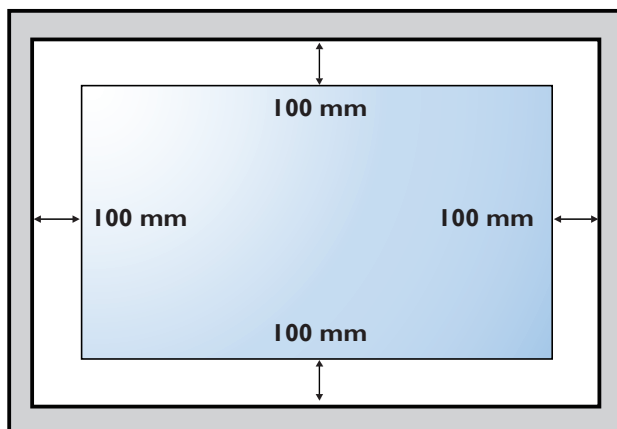
PRODUCT DESCRIPTION

1.5 LCD Display Overview

1.5.1   Input/Output Terminals
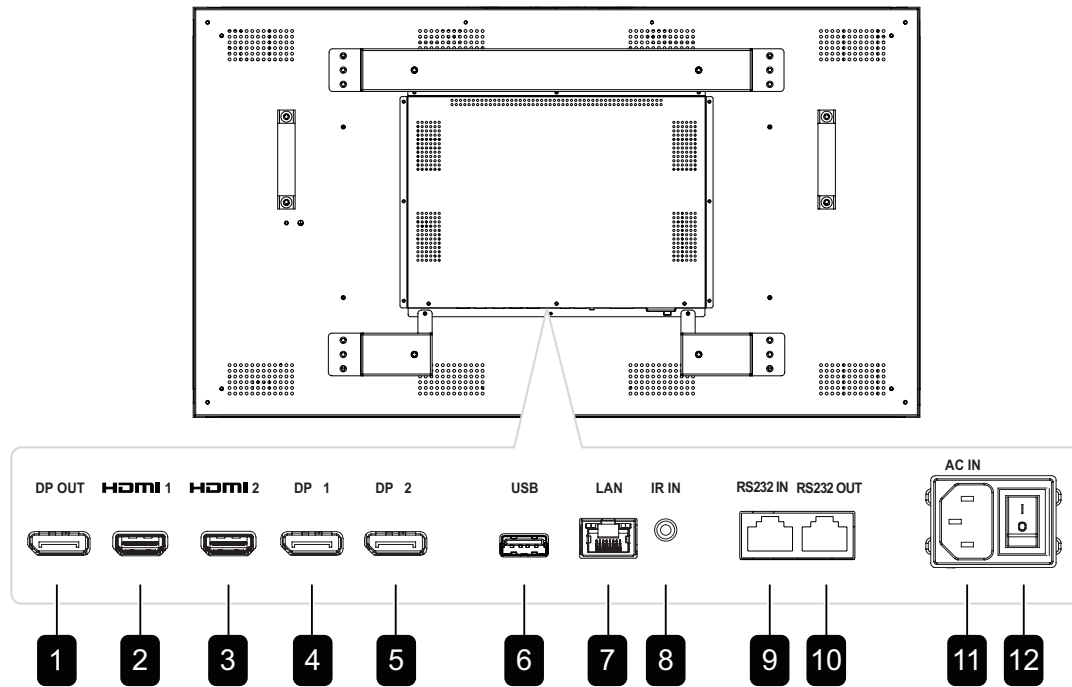
1 DP OUT Connect DisplayPort signals output.	**8 IR IN** IR signal input.
2/3 HDMI1 IN / HDMI2 IN Connect HDMI signals input.	**9 RS232 IN:** Connect RS232 input from external equipment.
4/5 DP1 IN / DP2 IN Connect DisplayPort signals input.	**10 RS232 OUT:** Connect RS232 output to additional displays.
6 USB Connects USB 2.0 for service.	**11 AC IN** AC power input from the wall outlet.
7 LAN For LAN connection with an Ethernet cable.	**12 MAIN POWER SWITCH** Switch the main power on/off.

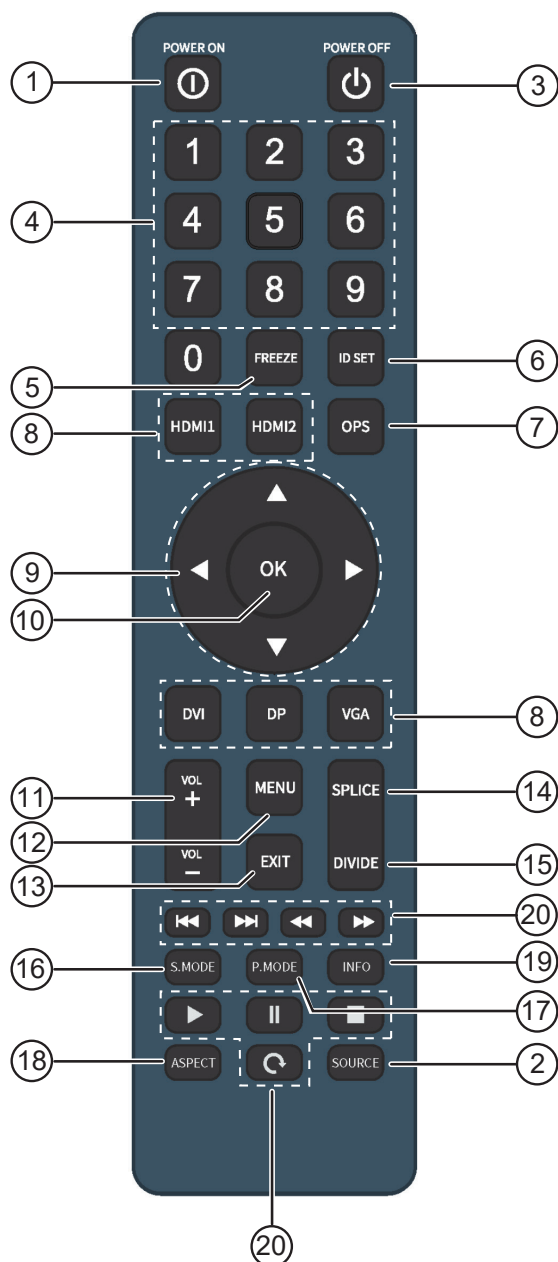**Note:**

♦ Signals input via RS232-IN can be output via RS232-OUT.

♦ LAN input interface for transmitting system control commands only.

♦ DP-OUT port supports the output of signals input via HDMI/DP ports.

♦ To obtain sound display effect, it is recommended to use the provided wires or wires of a well-known brand.

PRODUCT DESCRIPTION

1.6 Remote Control

1.6.1 General Functions

Note:

♦ Remark: When the product is different from the picture, the product prevails.

1 **[⏻] POWER button**

Turns the display on.

2 **[SOURCE] button**

Switches the video input source.

3 **[⏻] POWER button**

Turns the display off.

4 **[NUMERIC KEYS] button**

Enters numbers for Network and IDSET settings.

5 **[FREEZE] button**

No function.

6 **[IDSET] buttons**

Monitor IR pass number.

7 **[OPS] button**

No function.

8 **[HDMI1 / HDMI2 / DVI / DP/ VGA] buttons**

No function.

9 **[▲] [▼] [◄] [►] Navigation buttons**

Navigates through menus, selects items, and adjusts values.

10 **[OK] button**

Chooses items or accepts the settings made in the OSD menu.

11 **[—] [+] VOLUME button**

No function.

12 **[MENU] button**

Access the OSD menu.

13 **[EXIT] button**

Exit the current operations.

14 **[SPLICE] button**

UniWall Enable On.

15 **[DIVIDE] button**

UniWall Enable Off.

16 **[SOUND MODE] button**

No function.

17 **[PICTURE MODE] button**

Quickly switch the PICTURE MODE.

18 **[ASPECT] button**

Switch the aspect ratio of screen.

19 **[INFO] button**

View current signal information.

20 **[►] [‖] [■] [↻] [◄◄] [►►] [◄◄] [►►] button**

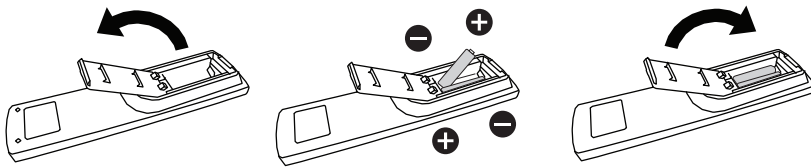No function.

1.6.2   Inserting the Batteries in the Remote Control

The remote control is powered by two 1.5V AAA batteries.

To install or replace batteries:

1   Press and then slide the cover to open it.

2   Align the batteries according to the (+) and (-) indications inside the battery compartment.

3   Replace the cover.

1.6.3   Handling the Remote Control

- Do not subject to strong shock.
- Do not allow water or other liquid to splash the remote control. If the remote control gets wet, wipe it dry immediately.
- Avoid exposure to heat and steam.
- Other than to install the batteries, do not open the remote control.

1.6.4   Operating Range of the Remote Control

Point the top of the remote control toward the display's remote control sensor (on the left or right side) when pressing a button.

When using the remote control, the distance from the remote control to the sensor on the display should be less than 8m/26ft, and the horizontal and vertical angles should be less than 30˚.
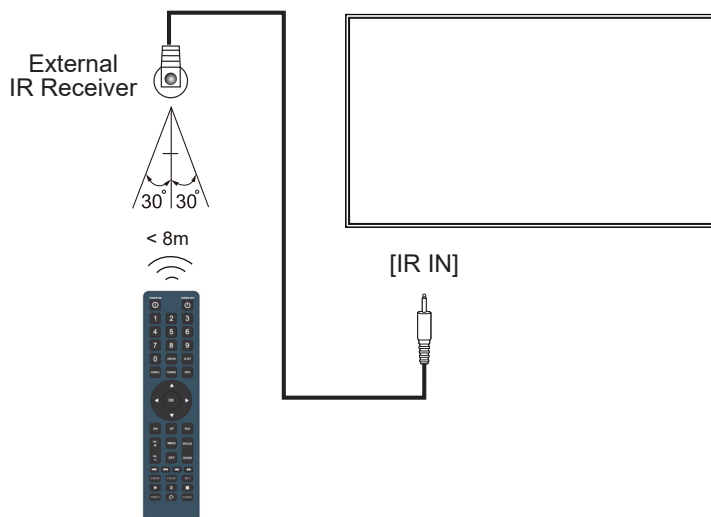
⚡ Caution:

The incorrect use of batteries can result in leaks or bursting. Be sure to follow these instructions:

- Place "AAA" batteries matching the (+) and (–) signs on each battery to the (+) and (–) signs of the battery compartment.
- Do not mix battery types.
- Do not combine new batteries with used ones. It causes shorter life or leakage of batteries.
- Remove the dead batteries immediately to prevent them from liquid leaking in the battery compartment. Don't touch exposed battery acid, as it can damage your skin.

Note:

- If you do not intend to use the remote control for a long period, remove the batteries.
- The remote control may not function properly when the remote control sensor on this display is under direct sunlight or strong illumination, or when there is an obstacle in the path of signal transmission.

DP OUT   HDMI 1   HDMI 2   DP 1   DP 2   USB   LAN   IR IN   RS232 IN   RS232 OUT   AC IN
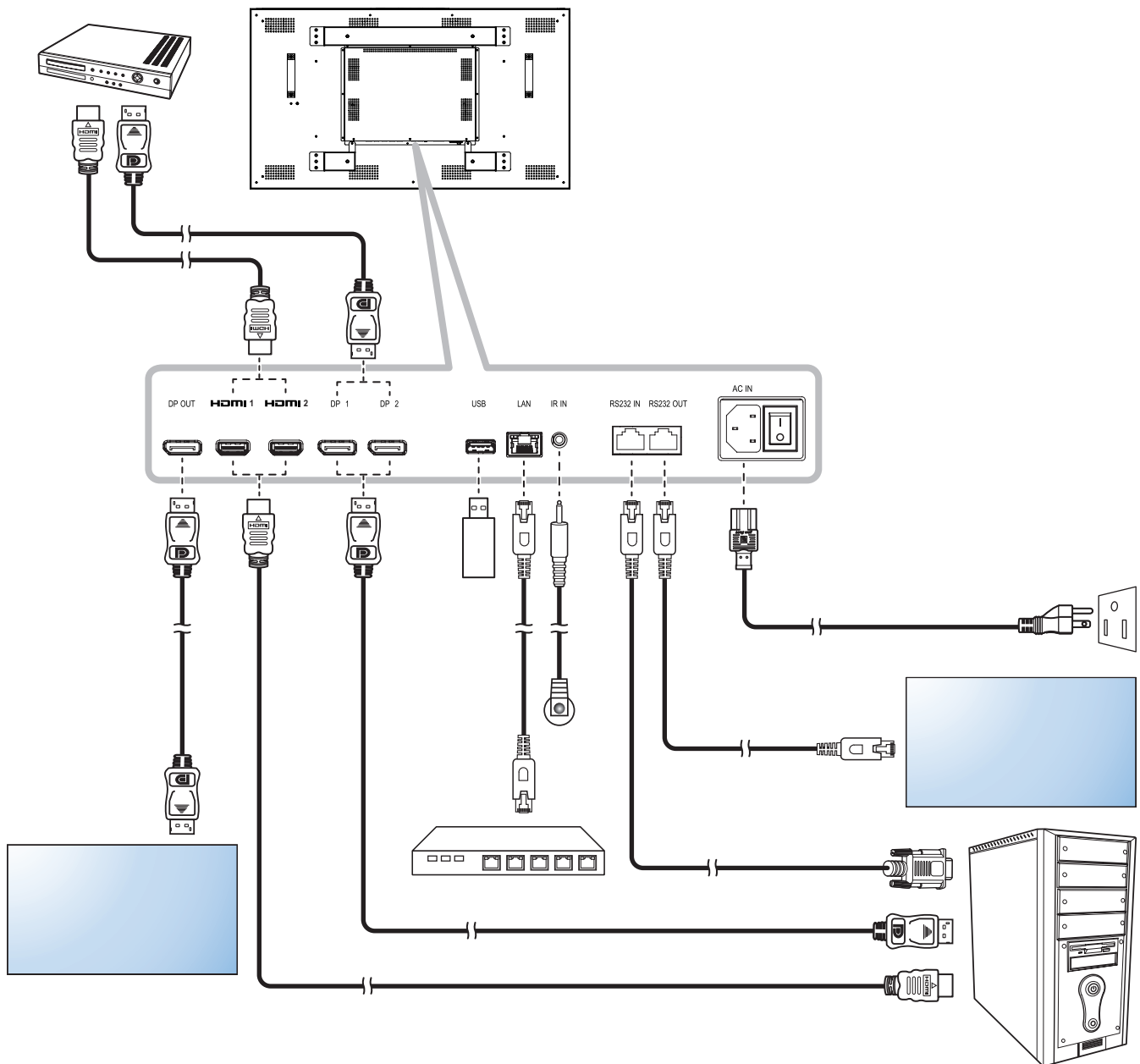
MAKING CONNECTIONS
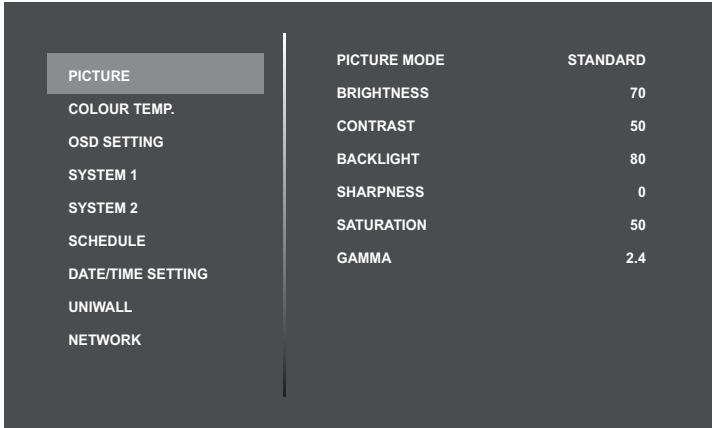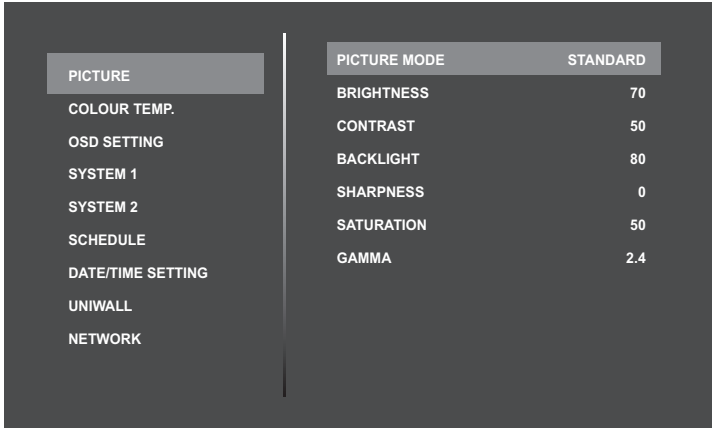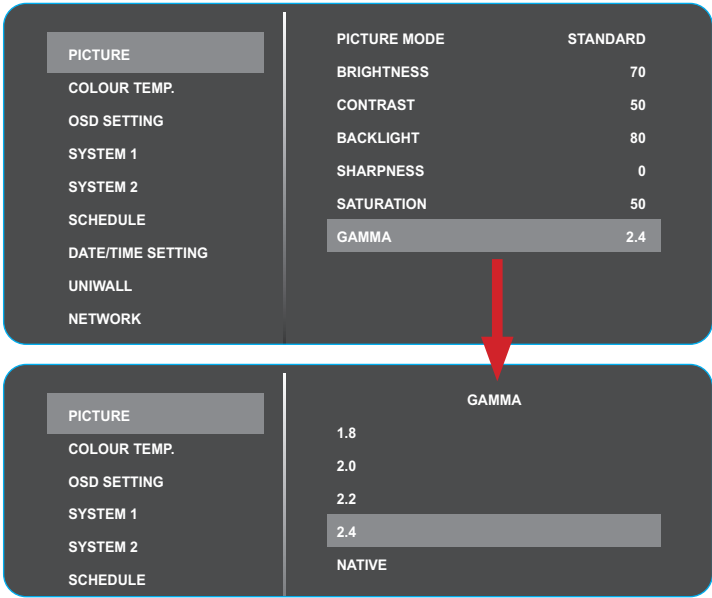
Connecting Multiple Displays in a Daisy-chain Configuration

External IR Receiver

Computer

Router

[IR IN] [DP/HDMI] [RS232 IN] [LAN]

DISPLAY

[RS232 OUT] ━━━━━━━ [RS232 IN]

[DP OUT] ━━━━━━━ [DP IN]

DISPLAY

[DP OUT]   [RS232 OUT]

[DP IN]   [RS232 IN]

DISPLAY

[RS232 IN] ━━━━━━━ [RS232 OUT]

[DP IN] ━━━━━━━ [DP OUT]
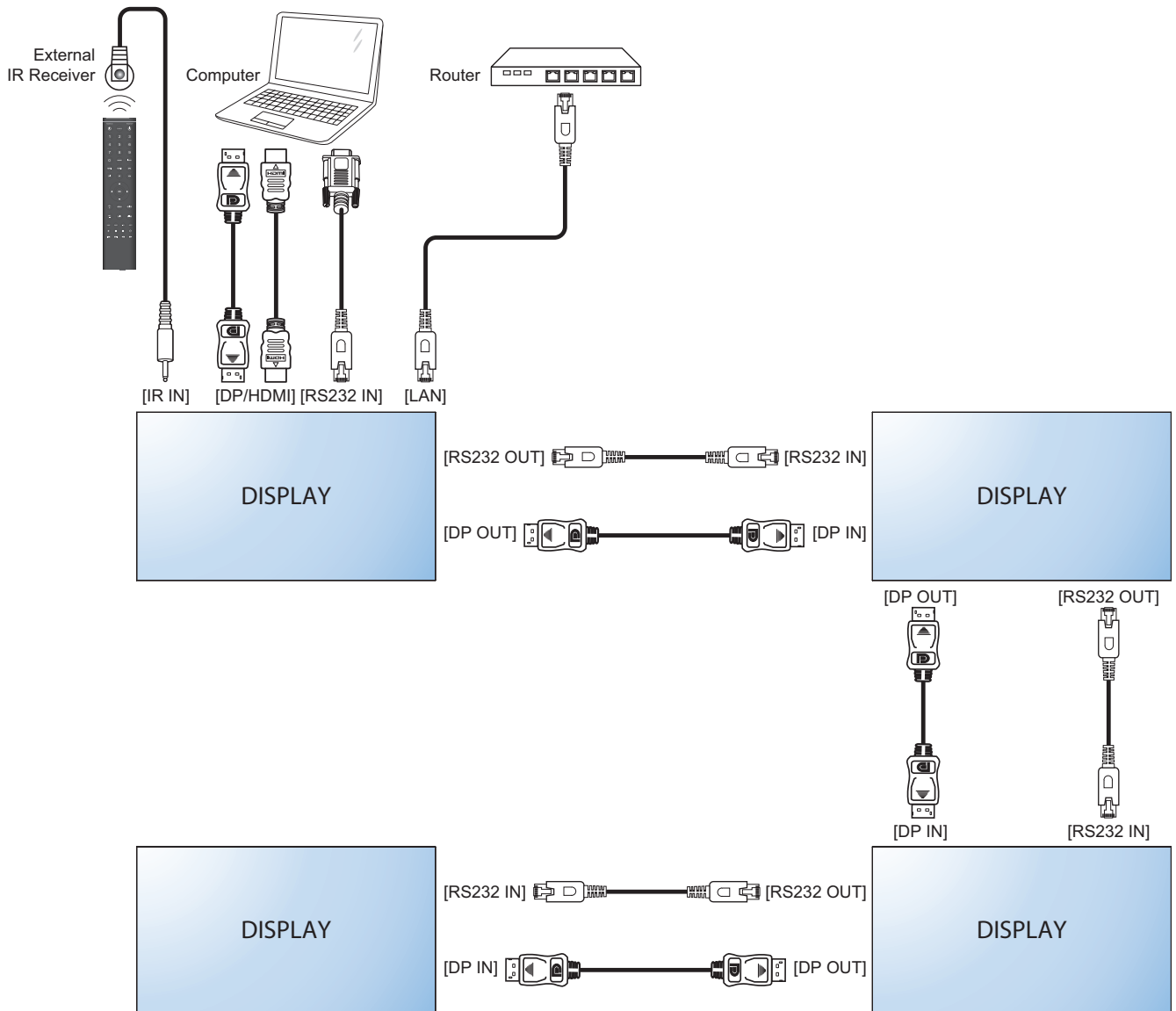
DISPLAY

CHAPTER 3: ON SCREEN DISPLAY MENU

3.1 Using the OSD Menu

#	Menu Navigation	Operation
1	Display the main menu screen. PICTURE COLOUR TEMP. OSD SETTING SYSTEM 1 SYSTEM 2 SCHEDULE DATE/TIME SETTING UNIWALL NETWORK PICTURE MODE STANDARD BRIGHTNESS 70 CONTRAST 50 BACKLIGHT 80 SHARPNESS 0 SATURATION 50 GAMMA 2.4	Press the **MENU** button.
2	Select the submenu. PICTURE COLOUR TEMP. OSD SETTING SYSTEM 1 SYSTEM 2 SCHEDULE DATE/TIME SETTING UNIWALL NETWORK PICTURE MODE STANDARD BRIGHTNESS 70 CONTRAST 50 BACKLIGHT 80 SHARPNESS 0 SATURATION 50 GAMMA 2.4 The highlighted item (gray) indicates the active submenu.	**1** Press the ▲/▼ button to select the menu item. **2** Press the **OK** button to enter the submenu.
3	Adjust the settings. The highlighted item indicates the active submenu. For example: PICTURE COLOUR TEMP. OSD SETTING SYSTEM 1 SYSTEM 2 SCHEDULE DATE/TIME SETTING UNIWALL NETWORK PICTURE MODE STANDARD BRIGHTNESS 70 CONTRAST 50 BACKLIGHT 80 SHARPNESS 0 SATURATION 50 GAMMA 2.4 PICTURE COLOUR TEMP. OSD SETTING SYSTEM 1 SYSTEM 2 SCHEDULE GAMMA 1.8 2.0 2.2 2.4 NATIVE	**1** Press the ▲/▼ button to select an option. **2** Press the **OK** button to confirm. **3** Press the ▲/▼/◀/▶ button to select an item or adjust the values.

ON SCREEN DISPLAY MENU

#	Menu Navigation	Operation
4	Exit the submenu.	Press the **EXIT**/**MENU** button to return to the previous menu.
5	Close the OSD window.	Press the **EXIT**/**MENU** button to return to the previous menu.

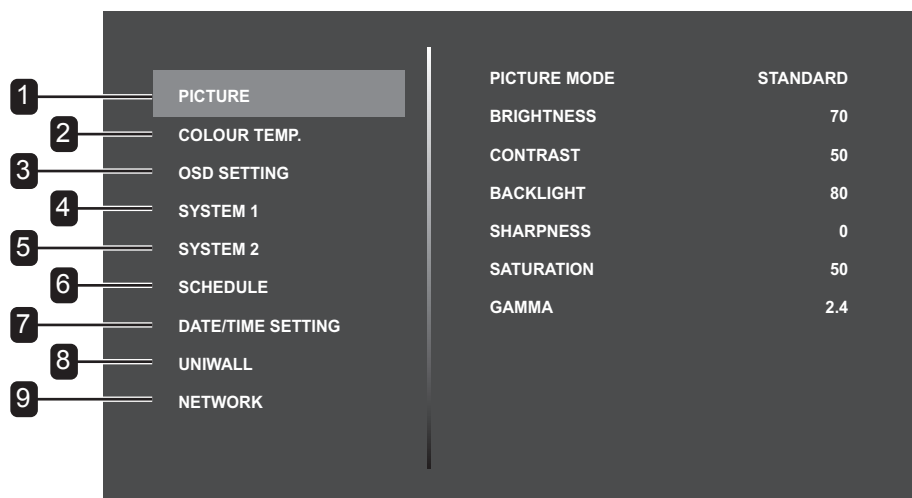When settings are modified, all changes are saved when the user does the following:

- Proceeds to the another menu.
- Exits the OSD menu.
- Waits for the OSD menu to disappear.

Note:

♦ Availability of some menu items depend on the input source signal. If the menu is not available, it is disabled and grayed out.
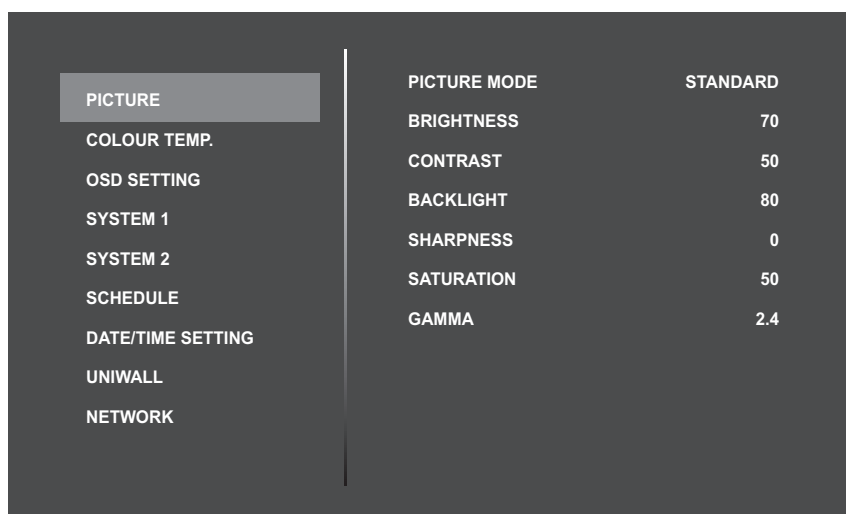
ON SCREEN DISPLAY MENU

3.2 OSD Menu Tree

1 PICTURE	PICTURE MODE — STANDARD
2 COLOUR TEMP.	BRIGHTNESS — 70
3 OSD SETTING	CONTRAST — 50
4 SYSTEM 1	BACKLIGHT — 80
5 SYSTEM 2	SHARPNESS — 0
6 SCHEDULE	SATURATION — 50
7 DATE/TIME SETTING	GAMMA — 2.4
8 UNIWALL	
9 NETWORK	

Main Menu	Submenu	Remarks
1. PICTURE	• PICTURE MODE • BRIGHTNESS • CONTRAST • BACKLIGHT • SHARPNESS • SATURATION • GAMMA	See page 18.
2. COLOUR TEMP.	• COLOUR TEMP. • RED • GREEN • BLUE	See page 19.
3. OSD SETTING	• OSD H. POSITION • OSD V. POSITION • TRANSPARENCY • OSD TIMER • OSD ROTATION	See page 20.
4. SYSTEM 1	• LANGUAGE • STANDBY • AUTO SIGNAL DETECTION • INPUT SELECT • BOOT SOURCE • IR CONTROL • ASPECT RATIO • OVERDRIVE	See page 21.

ON SCREEN DISPLAY MENU

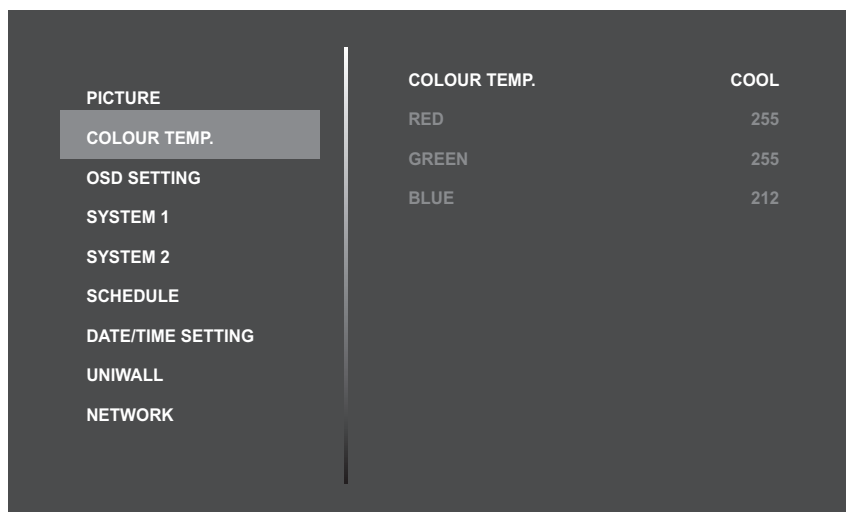| Main Menu	Submenu	Remarks
5. SYSTEM 2	• LOCAL DIMMING • ANTI-BURN-IN • ALINK • THERMAL PROTECT • HEAT STATUS • CONTROL INTERFACE • MONITOR ID • FW UPDATE • RESET	See page 23.

6. SCHEDULE	• 1 SCHEDULE / 2 SCHEDULE /
	  3 SCHEDULE / 4 SCHEDULE /
	  5 SCHEDULE / 6 SCHEDULE /
	  7 SCHEDULE
		See page 24.

7. DATE/TIME SETTING	• YEAR-MONTH-DAY HOUR:MINUTE:SECOND • DAYLIGHT SAVING TIME	See page 26.
8. UNIWALL	• UNIWALL ENABLE • H. MONITORS • V. MONITORS • H. POSITION • V. POSITION • H. FRAME COMP • V. FRAME COMP • SWITCH ON DELAY	See page 27.
9. NETWORK	• DHCP • IP ADDRESS • SUBNET MASK • GATEWAY • MAC ADDRESS • SAVE	See page 28.

CHAPTER 4: ADJUSTING THE LCD DISPLAY

4.1 Picture Menu

PICTURE	PICTURE MODE STANDARD
COLOUR TEMP.	BRIGHTNESS 70
OSD SETTING	CONTRAST 50
SYSTEM 1	BACKLIGHT 80
SYSTEM 2	SHARPNESS 0
SCHEDULE	SATURATION 50
DATE/TIME SETTING	GAMMA 2.4
UNIWALL	
NETWORK	

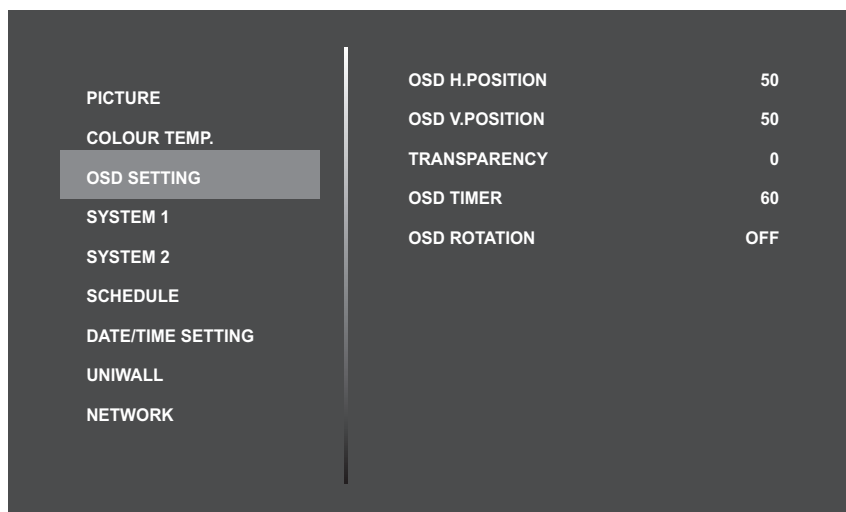| Item	Function	Range
PICTURE MODE	Set the predefined picture setting.	STANDARD VIVID CINEMA
BRIGHTNESS	Adjust the luminance of the screen image.	0 to 100
CONTRAST	Adjust the difference between the black level and the white level.	0 to 100
BACKLIGHT	Adjust the backlight setting.	0 to 100
SHARPNESS	Adjust the clarity and focus of the screen image.	0 to 15
SATURATION	Adjust the color saturation of the picture.	0 to 100
GAMMA	Adjust the non-linear setting for picture luminance and contrast.	1.8 2.0 2.2 2.4 NATIVE

ADJUSTING THE LCD DISPLAY

4.2 Colour Temperature Menu

PICTURE	COLOUR TEMP.	COOL
COLOUR TEMP.	RED	255
OSD SETTING	GREEN	255
SYSTEM 1	BLUE	212
SYSTEM 2		
SCHEDULE		
DATE/TIME SETTING		
UNIWALL		
NETWORK		

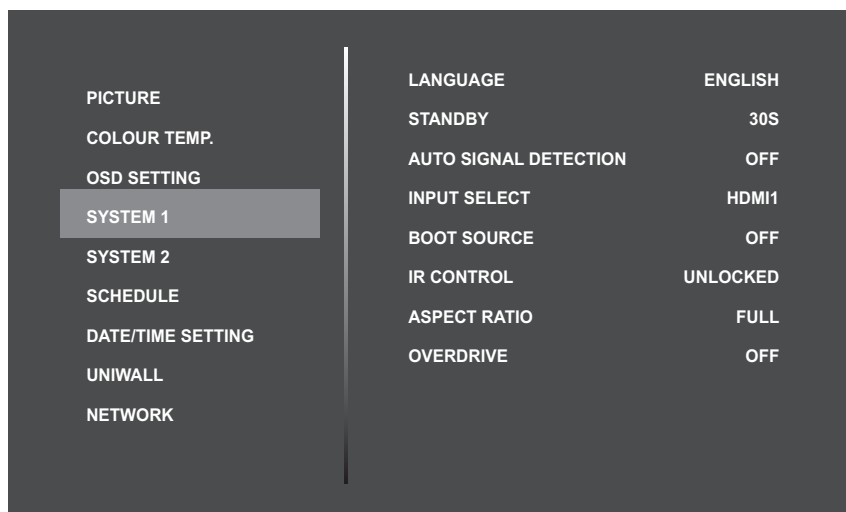| Item	Function	Range
COLOUR TEMP.	Select a colour temperature for the image.	NATIVE WARM COOL USER
	If the COLOUR TEMP. setting is set to USER, you can customize the colour temperature by adjusting the red, green, or blue setting according to your preference. PICTURE / **COLOUR TEMP.** / OSD SETTING / SYSTEM 1 / SYSTEM 2 / SCHEDULE / DATE/TIME SETTING / UNIWALL / NETWORK COLOUR TEMP. USER / RED 255 / GREEN 255 / BLUE 255 a. Press the ▲/▼ button to select the colour you want to adjust. Then press the **OK** button to enter its submenu. b. Press the ◄/► button to adjust the value (0~255).	

4.3 OSD Setting Menu

PICTURE		OSD H.POSITION	50
COLOUR TEMP.		OSD V.POSITION	50
OSD SETTING		TRANSPARENCY	0
SYSTEM 1		OSD TIMER	60
SYSTEM 2		OSD ROTATION	OFF
SCHEDULE			
DATE/TIME SETTING			
UNIWALL			
NETWORK			

Item	Function	Range
OSD H. POSITION	Set the OSD menu horizontal position on the screen.	0 to 100
OSD V. POSITION	Set the OSD menu vertical position on the screen.	0 to 100
TRANSPARENCY	Adjust the transparency level of the OSD menu.	0 to 4
OSD TIMER	Set the period of time the OSD menu stays on the screen.	5 to 60
OSD ROTATION	Set the OSD menu orientation.	OFF DEGREE 90 DEGREE 180 DEGREE 270

ADJUSTING THE LCD DISPLAY

4.4 System 1 Menu

```
PICTURE                 LANGUAGE              ENGLISH
COLOUR TEMP.            STANDBY                  30S
OSD SETTING            AUTO SIGNAL DETECTION     OFF
SYSTEM 1              INPUT SELECT             HDMI1
SYSTEM 2             BOOT SOURCE                OFF
SCHEDULE             IR CONTROL            UNLOCKED
DATE/TIME SETTING    ASPECT RATIO             FULL
UNIWALL              OVERDRIVE                  OFF
NETWORK
```

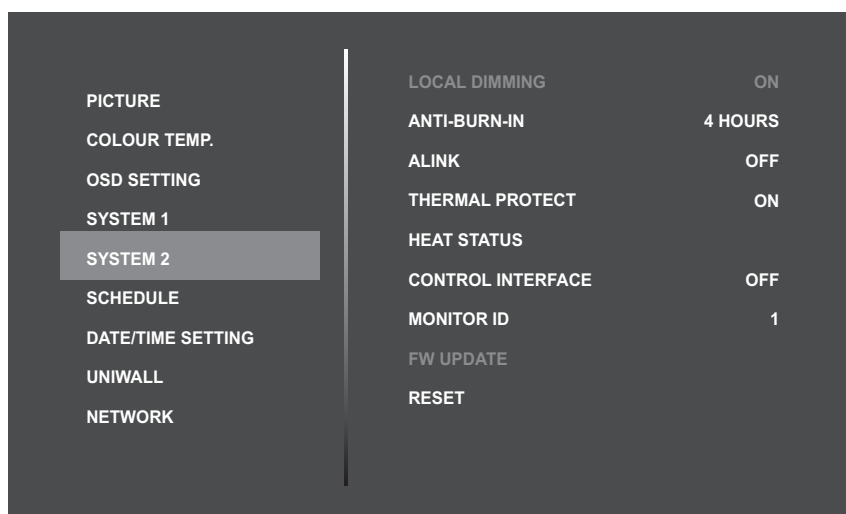| Item	Function	Range
LANGUAGE	Set the OSD language.	ENGLISH FRANÇAIS DEUTSCH ESPAÑOL 繁體中文
STANDBY	Set whether or not the display automatically enters standby mode when there is no signal detected at the preset time.	OFF 30S 45S 60S 3MIN 5MIN 10MIN
AUTO SIGNAL DETECTION	Enable or disable the display to detect and display from available video inputs automatically.	ON OFF
INPUT SELECT	Switch the input source.	HDMI1 HDMI2 DISPLAYPORT1 DISPLAYPORT2
BOOT SOURCE	Set the default input source at boot up.	HDMI1 HDMI2 DISPLAYPORT1 DISPLAYPORT2 OFF

ADJUSTING THE LCD DISPLAY

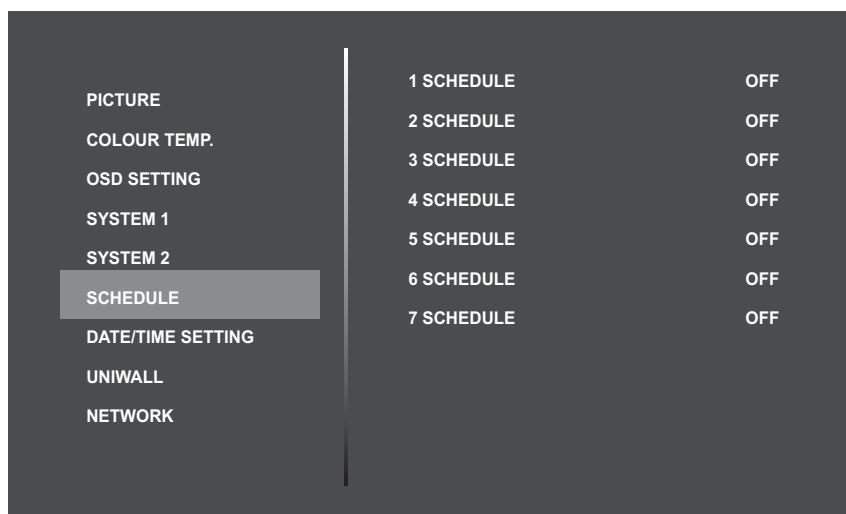| Item	Function	Range
IR CONTROL	Enable or disable some or all remote control buttons. • UNLOCKED: Unlock all remote control buttons. • LOCK_ALL: Lock all remote control buttons. • LOCK_BUT_POWER: Lock all remote control buttons except for the **Power** button. **Note:** • To unlock all the buttons, press the **EXIT** button for 5 seconds.	UNLOCKED LOCK_ALL LOCK_BUT_POWER
ASPECT RATIO	Select the aspect ratio of the screen image.	FULL 4:3
OVERDRIVE	Enable or disable the Overdrive function. If enabled, this feature enhances the display response time.	ON OFF

ADJUSTING THE LCD DISPLAY

4.5 System 2 Menu

Item	Function	Range
LOCAL DIMMING	No support	N/A
ANTI-BURN-IN	Enable Anti-Burn-in function to protect the display from "burn-in" or "afterimage" symptoms when the display is not being in use for a period of time.	OFF 4 HOURS 5 HOURS 6 HOURS 8 HOURS
ALINK	Enable or disable HDMI Consumer Electronics Control control. If the setting is set to ON, you can control the connected HDMI-CEC compatible device on the same power on or power off status.	ON OFF
THERMAL PROTECT	Enable or disable displaying a temperature warning when the internal temperature is high.	ON OFF
HEAT STATUS	Display the internal temperature status of the LCD display.	N/A
CONTROL INTERFACE	Set whether or not to define the network control port.	OFF RS232 LAN
MONITOR ID	Set the ID number for controlling the display via the RS232 connection. Each display must have a unique ID number when multiple sets of this display are connected.	1 to 255
FW UPDATE	Update the display firmware for service.	NO YES
RESET	Reset all settings to the factory preset values.	NO YES

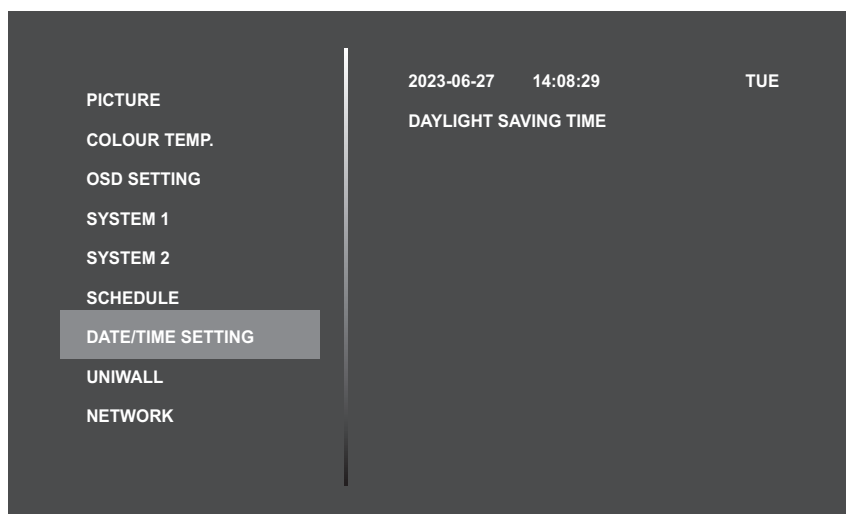## 4.6 Schedule Menu

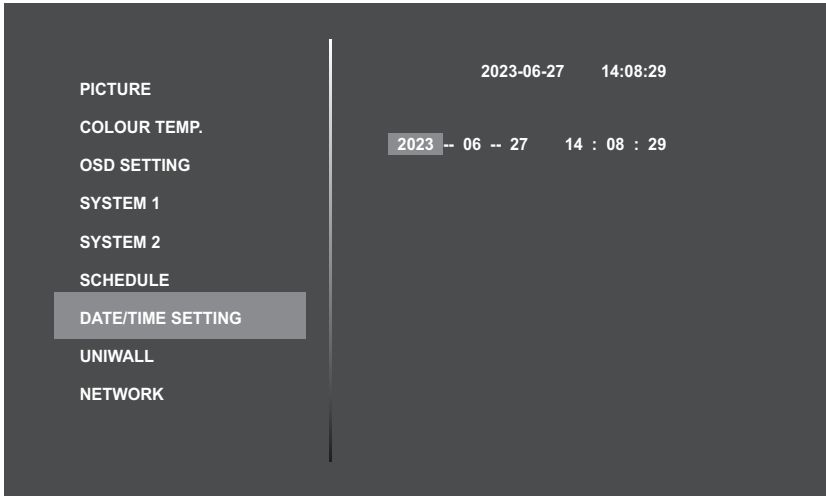| Item	Function	Range
1 SCHEDULE / 2 SCHEDULE / 3 SCHEDULE / 4 SCHEDULE / 5 SCHEDULE / 6 SCHEDULE / 7 SCHEDULE	This function allows you to program up to 7 different scheduled time intervals for this display to activate. You can set: • Which input source the display will use for each scheduled activation period. • The time for the display to turn on and turn off. • The days in a week for the display to activate. **Note:** • We recommend you to set up current date and time in the DATE/TIME SETTING menu before using this function. • After changing the date and time settings in the DATE/TIME SETTING menu, you need to set this Schedule again. 	
	ENABLE: Enable or disable the schedule. **Note:** • You can only select this option after configuring the **START TIME** and **END TIME** settings. • The **END TIME** must be greater than the **START TIME** to enable the setting.	ON OFF
	START TIME: Specify the time to turn on the display.	00:00 to 23:59

ADJUSTING THE LCD DISPLAY

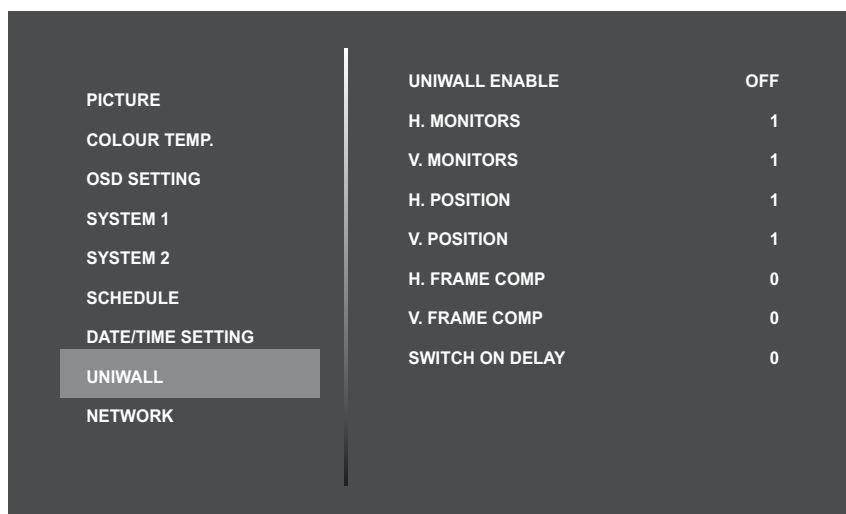| Item	Function	Range
1 SCHEDULE / 2 SCHEDULE / 3 SCHEDULE / 4 SCHEDULE / 5 SCHEDULE / 6 SCHEDULE / 7 SCHEDULE *(continue)*	END TIME: Specify the time to turn off the display.	00:00 to 23:59
	INPUT: Set the input source.	HDMI1 HDMI2 DISPLAYPORT1 DISPLAYPORT2 OFF
	DAYS OF THE WEEK: Select the days of the week when the schedule is active.	SUN MON TUE WED THU FRI SAT

ADJUSTING THE LCD DISPLAY

4.7 Date/Time Setting Menu

PICTURE	2023-06-27	14:08:29	TUE
COLOUR TEMP.	DAYLIGHT SAVING TIME		
OSD SETTING			
SYSTEM 1			
SYSTEM 2			
SCHEDULE			
DATE/TIME SETTING			
UNIWALL			
NETWORK			

Item		Range
YEAR-MONTH-DAY HOUR:MINUTE: SECOND	Set the date and time settings. PICTURE 2023-06-27 14:08:29 COLOUR TEMP. OSD SETTING 2023 -- 06 -- 27 14 : 08 : 29 SYSTEM 1 SYSTEM 2 SCHEDULE DATE/TIME SETTING UNIWALL NETWORK	YEAR: 2000 to 2099
		MONTH: 01 to 12
		DAY: 01 to 31
		HOUR: 00 to 23
		MINUTES: 00 to 59
		SECOND: 00 to 59
DAYLIGHT SAVING TIME	Enable or disable the Daylight Saving Time function.	ON OFF

4.8 UniWall Menu

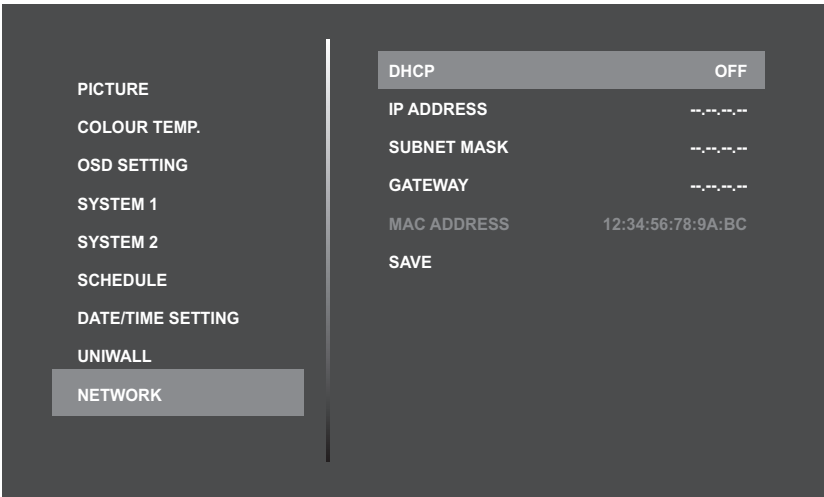|		
PICTURE	UNIWALL ENABLE	OFF
COLOUR TEMP.	H. MONITORS	1
OSD SETTING	V. MONITORS	1
SYSTEM 1	H. POSITION	1
SYSTEM 2	V. POSITION	1
SCHEDULE	H. FRAME COMP	0
DATE/TIME SETTING	V. FRAME COMP	0
UNIWALL	SWITCH ON DELAY	0
NETWORK		

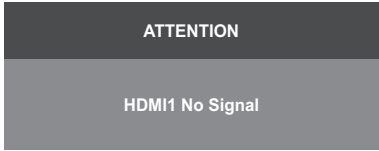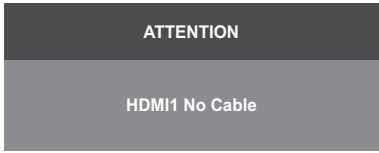| Item	Function	Range
UNIWALL ENABLE	Enable or disable the UniWall function.	ON OFF
	For example: 5 x 5 screen matrix (25 displays) • H. Monitors = 5 • V. Monitors = 5 • H. Position = 5 • V. Position = 1 Number of Displays (Horizontal side) Number of Displays (Vertical side) | 1	2	3	4	5	— Display Position (H=5; V=1) | 6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25		
H. MONITORS	Select the number of displays on the horizontal side.	1 to 15
V. MONITORS	Select the number of displays on the vertical side.	1 to 15
H. POSITION	Set the display position of the horizontal screen matrix.	1 to 15
V. POSITION	Set the display position of the vertical screen matrix.	1 to 15
H. FRAME COMP	Adjust the horizontal display image to compensate for the display frame width and display the image.	0 to 15
V. FRAME COMP	Adjust the vertical display image to compensate for the display frame width and display the image.	0 to 15
SWITCH ON DELAY	Set the power-on delaying time (in seconds).	0 to 10

ADJUSTING THE LCD DISPLAY
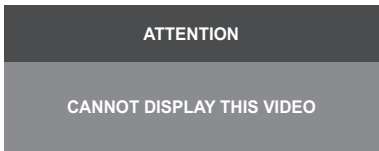
4.9 Network Menu

Item	Function	Range
DHCP	Select **ON** to allow the system to assign an IP address automatically. **Note:** • To manually configure the network settings, set the setting to **OFF**. 	ON OFF
IP ADDRESS	Assign an IP address.	N/A
SUBNET MASK	Specify the subnet mask.	N/A
GATEWAY	Specify the default gateway.	N/A
MAC ADDRESS	Display the device MAC address.	N/A
SAVE	Save and apply the settings.	N/A

CHAPTER 5: APPENDIX

3.1 Warning Message

Warning Messages	Cause	Solution
No signal from the current source **ATTENTION** **HDMI1 No Signal**	The connected source does not work.	• Check the current signal source output. • Switch to another signal source.
Current source is not looped **ATTENTION** **HDMI1 No Cable**	The signal cable is not properly connected.	Check that the relevant signal cables are well connected/loose.
Anti-Burn-in™ function **Activate** and **Disable** pop-up windows **Anti-Burn-In ON** **Anti-Burn-In OFF**	The display will execute or disable the Anti-Burn-in™ function.	Normal function, no action required.
No signal shutdown **ATTENTION** **HDMI1 No Cable** **30s Power Save**	The current signal does not loop through or there is a shutdown countdown when there is no signal	• Check the current source output. • Switch to another signal source. • Turn off the no signal shutdown function.
The remote control doesn't work	The operation using the remote control buttons has been locked by the user.	Press the **EXIT** button for 5 seconds to unlock all the buttons.
	The batteries in the remote control are dead.	Replace the batteries.
	IR receiver is not installed.	Install the IR receiver. By pointing the remote control to the IR receiver, try to operate the display using the remote control again.
Cannot play the video **ATTENTION** **CANNOT DISPLAY THIS VIDEO**	The current input signal is overclocked.	• Lower the input signal refresh rate. • Replace with another input source.

APPENDIX

Warning Messages	Cause	Solution
Temperature Warning **The internal temperature is high.** **Please check the ambient temperature.** **Shutdown Warning** **The power is off in 30 seconds** **due to high internal temperature.**	A temperature warning message will appear on the screen when the temperature reaches 55°C. When the internal temperature reaches 60°C, the device will shut down automatically after 30 seconds.	Shut down and stop working.
ATTENTION **THIS IS 85HZ OVERDRIVE**	The current input signal exceeds its maximum range that the device can display.	• Lower the input signal refresh rate. • Replace with another input source.
IR is locked **IR is unlocked**	User decides to lock the operation using the remote control. Then unlock the function.	**1** Enable the IR lock function in **SYSTEM 1** > **IR CONTROL** menu. **2** To unlock all the buttons, press the **EXIT** button for 5 seconds.

APPENDIX

3.2 Supported Resolutions

Resolution		Horizontal Frequency (kHz)	Vertical Frequency (kHz)	Dot Frequency (MHz)	DP	HDMI
VESA	640×480p	31.469	59.941	25.175	V	V
VESA	800×600p	35.156	56.250	36.000	V	V
VESA		37.879	60.317	40.000	V	V
VESA	1024×768p	48.363	60.004	65.000	V	V
CVT	1280×720p	44.772	59.860	74.500	V	V
VESA	1280×800p	49.702	59.810	83.500	V	V
VESA	1280×960p	60.000	60.000	108.000	V	V
VESA	1280×1024p	63.981	60.002	108.000	V	V
VESA		63.974	60.013	108.500	V	V
CVT	1366×768p	47.712	59.790	85.500	V	V
VESE	1360×768p	47.712	60.015	85.500	V	V
VESA	1440×900p	55.935	59.887	106.500	V	V
VESA		55.469	59.901	88.750	V	V
VESA	1440×1050p	65.317	59.978	121.750	V	V
VESA	1680×1050p	65.290	59.954	146.250	V	V
VESA	1600×1200p	75.000	60.000	162.000	V	V
VESA	1920×1080p	67.500	60.000	148.500	V	V

APPENDIX

3.3 Cleaning

Caution When Using the Display

- Do not bring your hands, face or objects close to the ventilation holes of the display. The top of the display is usually very hot due to the high temperature of exhaust air being released through the ventilation holes. Burns or personal injuries may occur if any body parts are brought too close. Placing any object near the top of the display could also result in heat related damage to the object as well as the display itself.

- Be sure to disconnect all cables before moving the display. Moving the display with its cables attached may damage the cables and thus cause fire or electric shock.

- Disconnect the power plug from the wall outlet as a safety precaution before carrying out any type of cleaning or maintenance procedure.

Front Panel Cleaning Instructions

- The front of the display has been specially treated. Wipe the surface gently using only a cleaning cloth or a soft, lint-free cloth.

- If the surface becomes dirty, soak a soft, lint-free cloth in a mild detergent solution. Wring the cloth to remove excess liquid. Wipe the surface of the display to remove dirt. Then use a dry cloth of the same type to dry.

- Do not scratch or hit the surface of the panel with fingers or hard objects of any kind.

- Do not use volatile substances such as insert sprays, solvents and thinners.

Cabinet Cleaning Instructions

- If the cabinet becomes dirty, wipe the cabinet with a soft, dry cloth.

- If the cabinet is extremely dirty, soak a lint-free cloth in a mild detergent solution. Wring the cloth to remove as much moisture as possible. Wipe the cabinet. Use another dry cloth to wipe over until the surface is dry.

- Do not allow any water or detergent to come into contact with the surface of the display. If water or moisture gets inside the unit, operating problems, electrical and shock hazards may result.

- Do not scratch or hit the cabinet with fingers or hard objects of any kind.

- Do not use volatile substances such as insert sprays, solvents and thinners on the cabinet.

- Do not place anything made from rubber or PVC near the cabinet for any extended periods of time.

APPENDIX

3.4 Troubleshooting

Follow the solutions below to solve these common problems, and contact us if the problem persists.

| Symptom	Possible Cause	Remedy
The Power indicator does not come on	• The monitor is not powered on.	• Check if the power cord is connected, and switch ON the monitor.
The Power indicator is on, but no image is displayed	• The Video wire is detached or connected improperly. • No video signal input.	• Connect or replace the video wire,and ensure proper and correct connection. • Check the signal source, and check if it is properly connected at the output end.
Image jerking or ripple	• There exists an electric device that interferes with the video signals.	• Turn off the electric device, or relocate the monitor.
Dim or extremely bright screen	• Low or high brightness/contrast.	• Check the brightness/contrast settings, or restore to default settings.
Colour difference	• Improper chromatic chromatic saturation. • Improper RGB values or colour temperature.	• Check the chromatic saturation. • Adjust the RGB values or reset the colour temperature. • Restore to default settings.
Image distortion	• Improper aspect ratio.	• Reset the aspect ratio.

CHAPTER 6: SPECIFICATIONS

6.1 Display Specifications

		PN-46D3
Panel	Panel Type	LED-Backlit TFT LCD (IPS Technology)
	Panel Size	46.0"
	Max. Resolution	FHD 1920 x 1080
	Pixel Pitch	0.530 mm
	Brightness	500 cd/m²
	Contrast Ratio	1200:1
	Viewing Angle (H/V)	178°/178°
	Display Colour	16.7M
	Response Time	5 ms
	Surface Treatment	Anti-Glare Treatment (Haze 25%),3H Hard Coating
Frequency (H/V)	H Freq.	30 kHz-160 kHz
	V Freq.	50 Hz-76 Hz
Input	DisplayPort	1.2 x 2
	HDMI	2.0 x 2
Output	DisplayPort	1.2 x 1
External Control	IR In	3.5 mm Phone Jack
	RS232 In	RJ45
	RS232 Out	RJ45
	LAN	RJ45 x 1
Other connectivity	USB	2.0 x 1 (Service Port)
Power	Power Supply	Internal
	Power Requirements	AC 200-240V, 50/60 Hz
	On Mode	103W (On)
	Standby Mode	< 0.5W
	Off Mode	0W
Operating Conditions	Temperature	0°C-40°C (32°F-104°F)
	Humidity	20%-85% (non-condensing)
Storage Conditions	Temperature	-10°C-60°C (14°F-140°F)
	Humidity	10%-90% (non-condensing)
Mounting	VESA FPMPMI	Yes (400 x 400 mm)
Dimensions	Bezel Width	2.45 mm (Top/Left) 1.35 mm (Bottom/Right)
	Product w/o Base (W x H x D)	1022.2 x 576.8 x131.7 mm (40.2" x 22.7" x 5.2")
	Packaging (W x H x D)	1145.0 x 698.0 x 215.0 mm (45.1" x 27.5" x 8.5")
Weight	Product w/o Base	19.0 kg (41.9 lb)
	Packaging	24.4 kg (53.8 lb)

Note:

♦ All specifications are subject to change without prior notice.

SPECIFICATIONS

6.2 Display Dimensions
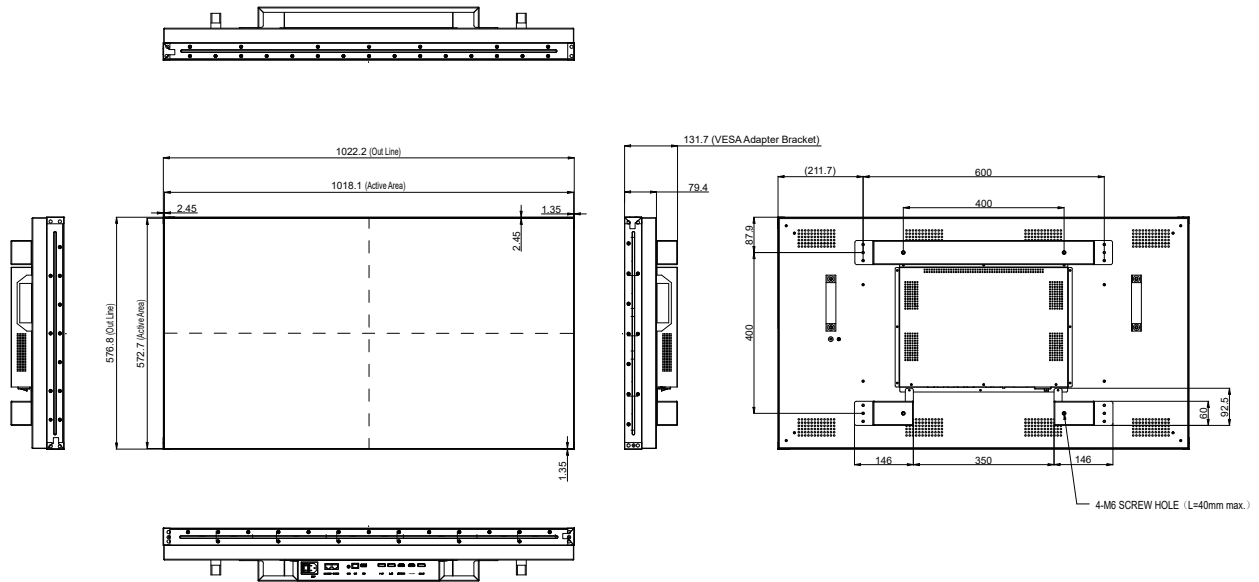
AG Neovo

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