Manuals+

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AG Neovo PB3701 LCD Display

Specifications

The PB3701 LCD Display is a high-quality monitor designed for professional use. Below are the specifications:

- Compliance: Class A of EN55032/CISPR 32
- Display Type: LCD
- Resolution: [Insert resolution here]
- Input/Output Terminals: [List of terminals]
- Dimensions: [Dimensions]

Product Usage Instructions

Chapter 1: Product Description

Unpacking

When unpacking the PB3701 LCD Display, ensure that all components are in good condition and complete.

Chapter 2: On-Screen Display Menu

2.1 OSD Menu Tree

The OSD menu tree provides access to various settings and configurations for the display. Use the remote control to navigate through the menu and make adjustments as needed.

Chapter 3: Appendix

Additional information and resources related to the PB3701 LCD Display can be found in the appendix section of the user manual.

SAFETY INFORMATION

CE

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

Waste Electrical and Electronic Equipment-WEEE

This symbol on the product or 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 the 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 of separately in the right collection system

- You are responsible for 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.

PRECAUTIONS

⚡	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 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 website at [www.agneovo.com.](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 near heat sources, such as a heater, exhaust vent, or direct sunlight.
- Do not cover or block the ventilation holes in the housing.
- Place the LCD on a stable surface. Do not place the LCD where it may be subject to vibration or shock.
- Place the LCD in a well-ventilated area.
- Do not place the LCD 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 through the ventilation holes. Doing so may cause an accidental fire, electric shock, or damage to the LCD.

PRECAUTIONS

Cautions When Using

- Use only the power cord supplied with the LCD.
- The power outlet should be installed near the LCD and be easily accessible.
- If an extension cord is used with the LCD, 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 where the power cord may be stepped on.
- If the LCD will not be used for an indefinite period, 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 solvents, such as alcohol or ammonia-based liquids, to clean your display.
- If your display becomes wet, wipe it with a 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 has been dropped or the housing has been damaged.
- If the LCD emits smoke or a distinct odor.

Notice for the LCD Display

- To maintain a stable luminous performance, it is recommended to use a 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, the image may cause an imprint on the LCD. This is called image retention or burn-in.
- To prevent image retention, do any of the following:
- Set the LCD 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. See Other > ANTI-BURN-IN section.
- Switch desktop backgrounds regularly.
- Adjust the LCD to low brightness settings.
- Turn off the LCD when the system is not in use.
- Things to do when the LCD shows image retention:
- Turn off the LCD for extended periods. It can be several hours or several days.

- Use a screensaver and run it for extended periods.
- Use a black and white image and run it for extended periods.
- There are millions of microtransistors inside the LCD. 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 some time after he power has been switched off.

WARNING: Severe "burn-in," "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

Unpacking

- This product is packed in a packaging box that 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 be carried out by two people.
- After opening the packaging box, ensure that the included items are in good condition and complete.

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.
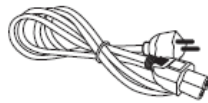
LCD Display

Quick Start Guide

Remote Control

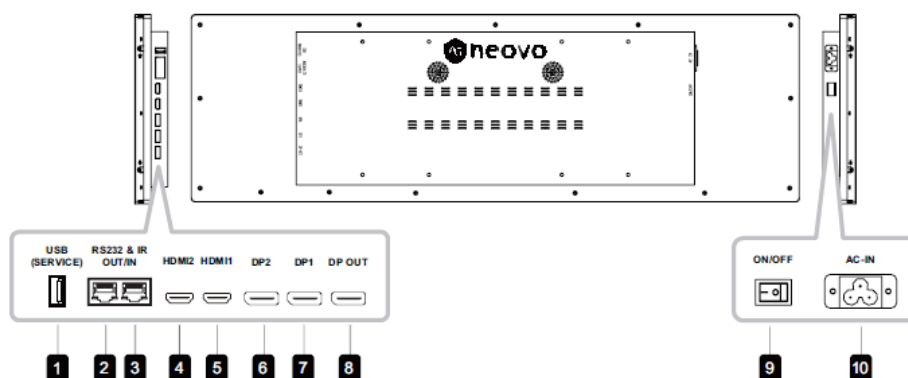**Power Cord**

IR receiver cable

Battery x 2

Note:

- The remote control is shipped with the supplied AAA batteries.
- You might like to save the package box and packing material for shipping the display.

PRODUCT DESCRIPTION

LCD Display Overview

Input/Output Terminals

| USB (SERVICE) | RS232 & IR OUT/IN | HDMI2 HDMI1 | DP2 | DP1 | DP OUT | | ON/OFF | AC-IN |
| 1 | 2 3 | 4 5 | 6 | 7 | 8 | | 9 | 10 |

1. USB(SERVICE)

USB Port for firmware upgrade.

2. RS232 & IR OUT

   Connect the RS232/IR output via an RJ45 cable to additional displays.

3. RS232 & IR IN

   Connect the RS232/IR input from external equipment.

4. HDMI2Connect

   The CTS HDMI signal input.

5. HDMI1Connect

   The CTS HDMI signal input.

6. DP2

   Connect the DisplayPort signal input.

7. DP1

   Connect the DisplayPort signal input.

8. DP OUT

   Connect the DP in the port of the other LCD Unit to realize multi-display.

9. ON/OFF

   Switch the main power on/off.

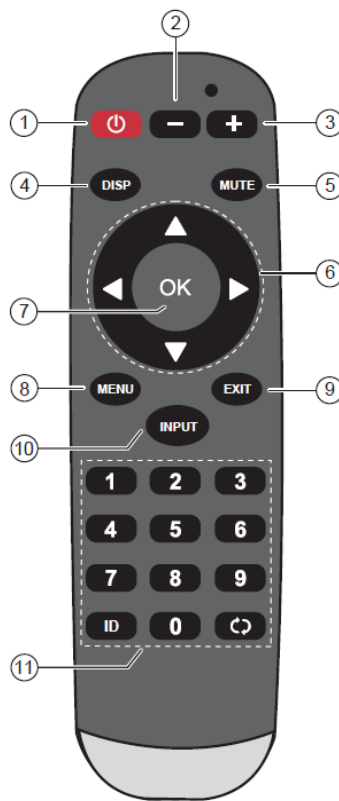10. AC IN

    AC power input from the wall outlet.

Note:

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

Remote Control

General Functions

1. [⏻] POWER button

   Turns the display on/off.

2. [_] VOLUME button

   Decreases audio volume.

3. [+] VOLUME button

   Increases audio volume.

4. [DISP] button

   No function.

5. [MUTE] button

   Turns the mute function on or off.

6. [▲] [▼] [◄] [►] Navigation buttons

   Navigates through menus, selects items, and

   Adjusts values.

7. [OK] button

   Chooses items or accepts the settings made in

   The OSD menu.

8. [MENU] button

   Access the OSD menu.

9. [EXIT] button

   Exit the current operations.

10. [INPUT] button

    Switches the video input source.

11. [NUMERIC KEYS] button

    No function.

Note:

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

Inserting the Batteries in the Remote Control

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.
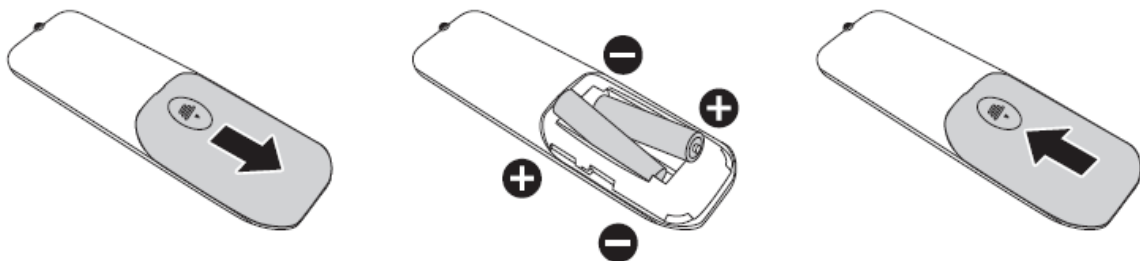
Handling the Remote Control

- 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.

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 6m/20ft, and the horizontal and vertical angles should be less than 30˚.
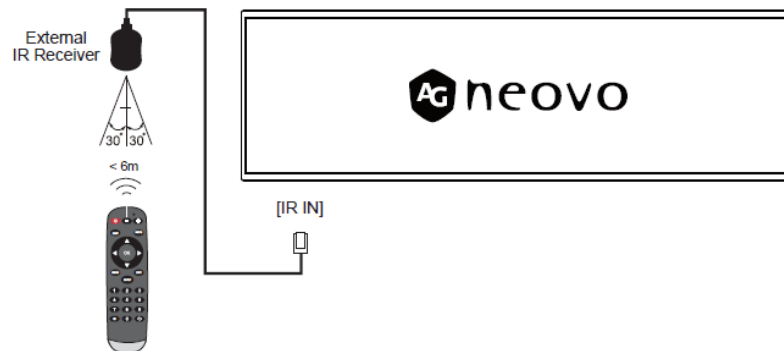
Caution:

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 a shorter life or leakage of batteries.
- Remove the dead batteries immediately to prevent them from leaking liquid into 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.

CHAPTER 2: ON-SCREEN DISPLAY MENU

SD Menu Tree
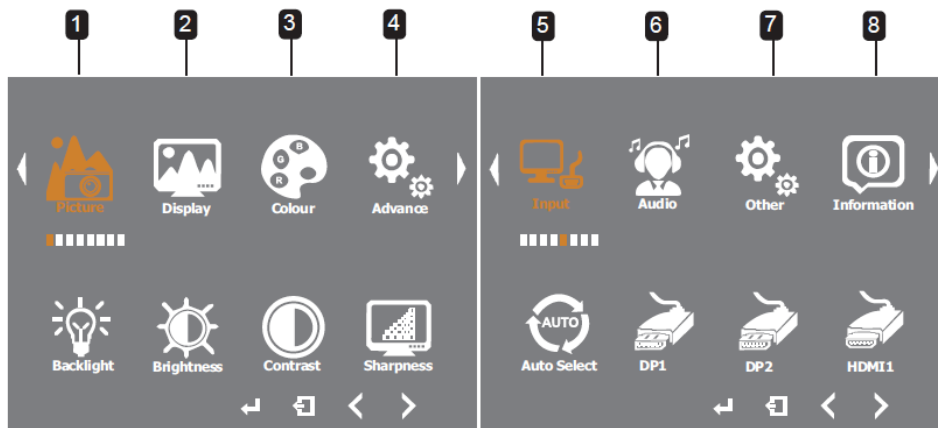
Main Menu	Submenu	Description	Range
1. Picture	• Backlight	Adjusts the level of backlight brightness that suits you best for your viewing preferences.	0-100
	• Brightness	Adjusts the level of overall picture brightness that suits you best for your viewing preferences.	0-100
	• Contrast	Adjusts the level of overall picture contrast that suits you best for your viewing preferences.	0-100
	• Sharpness	Adjusts the level of overall picture sharpness that suits you best for your viewing preferences.	0-6
2. Display	• Display Rotate	Select whether the screen should be	0 °
		Reversed for physical application.	180°

ON SCREEN DISPLAY MENU

Main Menu	Submenu	Description	Range
3. Colour	• Gamma	The relationship between the input value and	1.8
		The brightness of the display output affects the distribution of tones from highlights to	2.0 2.2 2.4
		shadows on the original	
	• Temperature	Colour Temperature: Selects a colour	User
		Temperature for the image. A lower colour	
		Temperature will have a reddish tint, whilst a	
		Higher colour temperature gives off a more.	
		Bluish tint.	
		Note: To adjust independently the value	
		Of red, green, and blue, set the colour.	
		Temperature to the User.	
	• Hue	Chromaticity: The range and quality of colors	0-100

		A monitor can display	
	• Saturation	Saturation: The purity of colors, the purer	0-100
		the purity, the higher the saturation, and the	
	The	higher the saturation, the brighter the colors	
		In the image	
4. Advance	• Aspect Ratio	Selects the picture aspect ratio that is best for your viewing environment.	Full 16:9 4:3 5:4 1:1
	• Overdrive	Enhances the display response time.	ON/OFF OD Gain
	• DDC/CI	DDC/CI communication protocol switch, which enables the computer host to adjust monitor parameters.	ON OFF
	• DP MST	Through the DP cable, multiple image signals can be transmitted simultaneously to connect multiple monitors.	OFF DP1 DP2
		* No support for HDMI Input source.	

	Clone Mode	All screens display the same image. DP-OUT port supports the output of signals	ON OFF
		Input via HDMI/DP ports.	
5. Input	• Auto Select	Signal source switching	Auto Select DP1 DP2 HDMI1 HDMI2
	• DP1		
	• DP2		
	• HDMI1		
	• HDMI2		
6. Audio	• Volume	Volume control	0-100
	• Mute	Mute switch selection	ON OFF

Main Menu	Submenu	Description	Range
7. Other	• Reset	Resets all settings in the Settings menu to the	
		Factory preset values.	
	• Language	Select the OSD language.	English Français Deutsch Español
	• Monitor ID	Enter the LCD's ID if using multiple	1-255
		Displays.	

		OSD Timer	Sets the length of time (in seconds) the OSD	10-60
		The	The screen is displayed. When the time elapses,	
			The OSD screen is automatically inactivated.	
		OSD H Position	Moves the OSD window to the left or right of	0-100
			The screen.	
		OSD V Position	Moves the OSD window up or down the	0-100
			Screen.	
		Transparency	Adjust the OSD background color	0-10
			transparent	
		Rotate	Rotate OSD menu from 0-270	0 90 270 180
		Anti-Burn-In	Enables or disables the Anti-Burn-In function per 2 hours.	ON OFF

8. Information	• Input Source • Signal • FW Version • Backlight Count • Anti-Burn-In Count	Current Timing Information	

CHAPTER 3: APPENDIX

Warning Message

Warning Messages	Cause	Solution
No display on the screen	1. The power cord is disconnected. 2. The main power switch on the back of the display is not turned on. 3. The selected input is not connected. 4. The display is in standby mode.	1. Connect the power cord. 2. Ensure that the power switch is on. 3. Connect the signal to the display. 4. Ensure the IR Receiver is correctly connected and placed in a location visible to the IR remote. The IR Remote should turn the set on as long as the IR receiver is visible to it.

Interference appears on the display, or noise can be heard	It is caused by the surrounding electrical equipment or fluorescent lamps.	Move the display to another location to see if the interference can be reduced.
The color is abnormal	The signal cable is not connected correctly.	Ensure that the signal cable is firmly connected to the back of the display.
The screen is distorted with abnormal patterns	1. The signal cable is not connected correctly. 2. The input signal exceeds the capacity of the display.	1. Ensure that the signal cable is firmly connected. 2. Check the video signal source to see if it is out of the range of the display. Please check the specifications of this display according to the section of technical specifications section.
Sound can be heard, but there is no image	The signal cable of the input source is not connected correctly.	Ensure the video input and audio input are connected correctly.

	1. The signal cable of the input source is not connected correctly. 2. The volume is turned to the minimum. 3. The digital audio output is turned on, e.g., PCM output is turned on.	1. Ensure the video input and audio input are connected correctly. 2. Press the [-/+] button, and you can hear the sound. 3. Turn off the sound output in the sound settings.
The image can be seen, but the sound cannot be heard		

Supported Resolutions

RESOLUTION	Clock Frequency MHZ	Horizontal Frequency KHz	Vertical Frequency Hz
640x480p @75Hz	31.500	37.500	75.000
800x600p @60Hz	40.000	37.879	60.317
800x600p @75Hz	49.500	46.875	75.000
1024x768p @60Hz	65.000	48.363	60.004
1024x768p @75Hz	78.750	60.023	75.029
1152x864p @75Hz	108.000	67.500	75.000
1280x1024p @60Hz	108.000	63.981	60.020
1280x1024p @75Hz	134.999	79.976	75.024
1600x1200p @60Hz	162.000	75.000	60.000
1920x1080p @60Hz	148.352	67.433	59.940

1920×540 @60Hz	74.250	960.000	60.000

Only the table resolution is supported.

APPENDIX

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.

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 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 4: SPECIFICATIONS

Display Specifications

PB3701		
Panel	Panel Type	LED-Backlit TFT LCD (IPS Technology)
	Panel Size	37″
	Max. Resolution	1920 x 540
	Pixel Pitch	0.469 mm
	Brightness	700 cd/m²
	Contrast Ratio	1000:1
	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 – 81 kHz
	V Freq.	56 Hz – 76 Hz
Input	DisplayPort	1.2 x 2
	HDMI	2.0 x 2
Output	DisplayPort	x 1
External Control	IR/RS232 In	RJ45 x 1
	IR/RS232 Out	RJ45 x 1
Other connectivity	USB	2.0 x 1 (Service Port)
	Internal Speakers	5W x 2
Power	Power Supply	Internal
	Power Requirements	AC 100-240V, 50/60 Hz
	On Mode	24W(On)
	Standby Mode	< 0.5W
	Off Mode	0W
Operating Conditions	Temperature	0°C-40°C (32°F-104°F)
	Humidity	10%-90% (non-condensing)
Storage Con	Temperature	-20°C-60°C (4°F-140°F)

ditions	Humidity	5%-95% (non-condensing)
Mounting	VESA FPMPMI	Yes (400 x 200 & 200 x200 mm)
Dimensions	Bezel Width	11.9 mm (Top/Bottom) 5.6 mm (Left/Right)
	Product w/o Base (W x H x D)	914.9 x 280.9 x 48.8 mm (36.0" x 11.0" x 1.9")
	Packaging (W x H x D)	1000.0 x 380.0 x 115.0 mm (39.3" x 14.9" x 4.5")
Weight	Product w/o Base	7.2 Kg (15.9 lb)
	Packaging	9.6 Kg (21.2lb)

Note: All specifications are subject to change without prior notice.

Display Dimensions
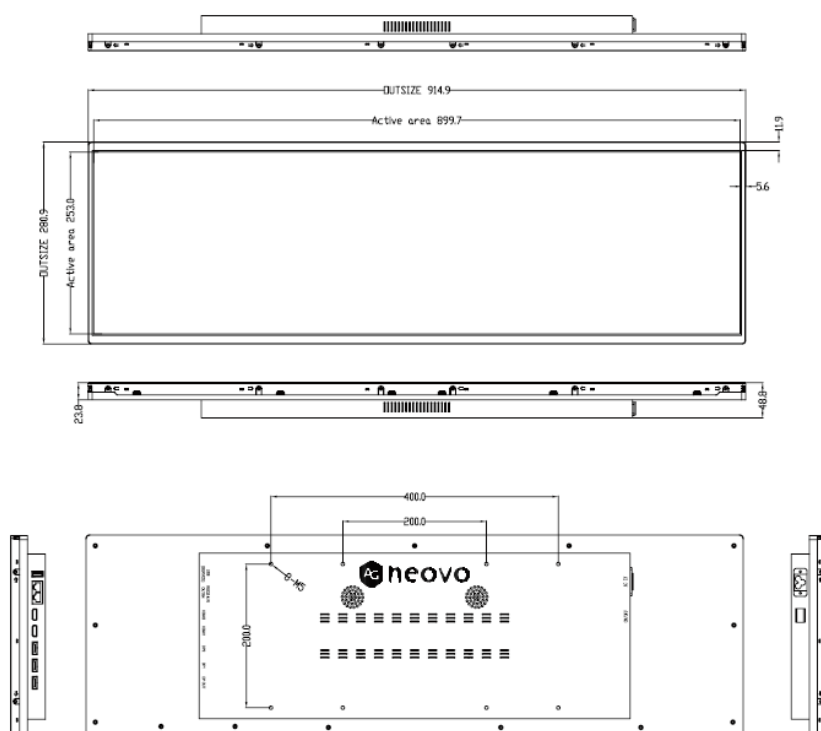
AG Neovo

Company Address: 5F-1, No. 3-1, Park Street, Nangang District, Taipei, 11503, Taiwan.

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PB3710_UM_V010

FAQs

- **Q: What should I do if the LCD emits smoke or a distinct odor?**
  A: If you notice smoke or a distinct odor coming from the LCD, immediately unplug the power cord from the outlet and contact qualified service personnel for assistance.
- **Q: How can I prevent image retention on the display?**
  A: To prevent image retention or burn-in on the display, avoid displaying static images for extended periods. Additionally, consider enabling screensavers or power-saving features to minimize the risk of image retention.

Documents / Resources

	[AG neovo PB3701 LCD Display](#) [[pdf](#)] User Manual PB3701, PB3701 LCD Display, PB3701, LCD Display, Display

References

- [User Manual](#)

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