# MISURA PORTABLE DUAL MONITOR 15,6“

COMPACT THIN & LIGHT PORTABLE
DUAL MONITOR

USER MANUAL ENGLISH

Model: P24156LYS01

FHD
Full HD resolution
1920 × 1080

Automatic
picture rotation

IPS
Super TFT
display

170°
Ultra Wide
Viewing Angle

16,7 M
16,7 Million
colors

2× USB-C
connector

Thin stylish
design

Lightweight
materials

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The technical data and information in this manual are provided for information only, are subject to change at any time without notice, and should not be construed as a commitment by MISURA.

MISURA is not responsible for any errors or inaccuracies that may appear in this manual, including the products and software described in this manual.

# PRODUCT INTRODUCTION

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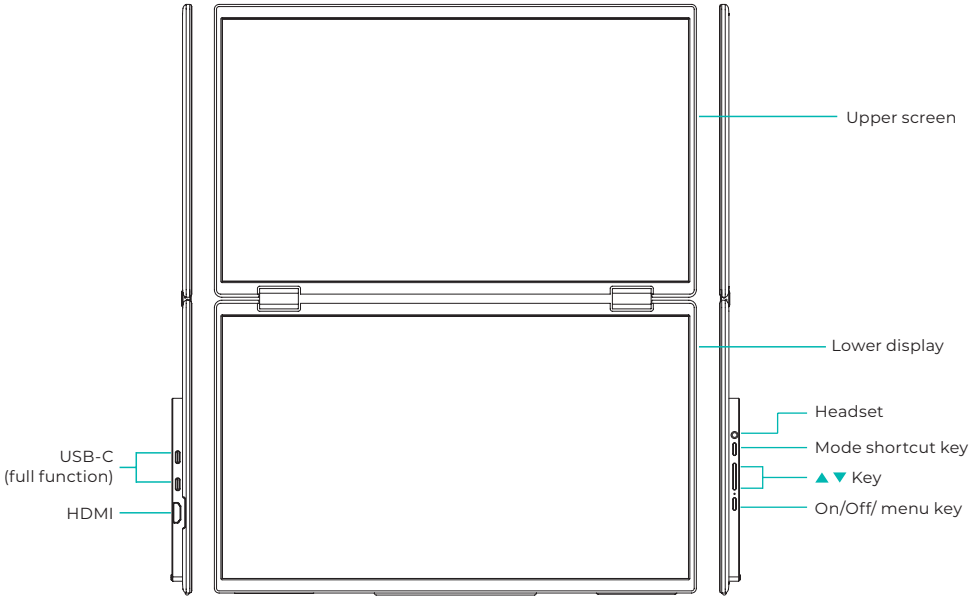
Please read the instructions carefully before using the product.
Keep this manual for further use.



# KEY INTRODUCTION

| | | | | | |
|---|---|---|---|---|---|
| | USB-C (full function) | | HDMI | | Headset |
| | Mode shortcut key | ▲ | Control key ▲ | ▼ | Control key ▼ |
| | On/off/menu key | | | | |

| | |
|---|---|
| USB-C (full function) | It supports PD power supply and device connection with USB-C video and audio output function |
| HDMI | Support HDMI device connection |
| Headset | Headphone/audio expansion port |
| Mode shortcut key | Adjust the shortcut setting mode |
| Control key ▲ | Adjust the brightness |
| Control key ▼ | Adjust the volume |
| On/off/menu key | Adjust the switch /OSD menu |

**Note:** Choose the connector for connection based on the current ports available on your laptop.

# CONNECTION SPECIFICATION

**1. USB-C connection**

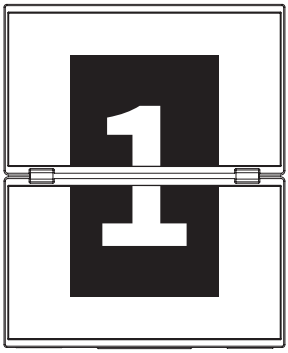
Connect one end of the USB-C cable to the USB-C port on the monitor and the other end to a video output device (such as a laptop or computer host) with a full-featured USB-C port. At the same time, connect the monitor to power using a USB-C cable. The power can either come from the mains using the included power adapter, or the monitor can also be powered directly from the laptop.

**2. HDMI connection**

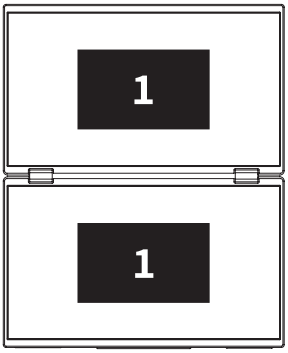
Connect one end of the HDMI cable to the HDMI port on the monitor and the other end to a video output device (such as a laptop or coputer host) with and HDMI port. At the same time, connect the monitor to power using a USB-C cable. The power can either come from the main power supply using the included power adapter, or the monitor can also be powered directly from the laptop.

**Fast mode**

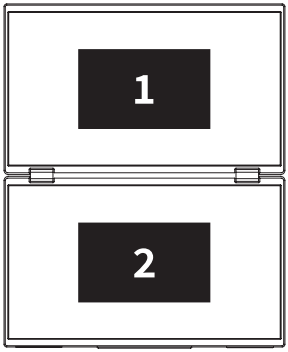
**Split screen mode**
( Monitor: Splice ON,
Computer: Extend ON)




**Duplicate Mode**
(Monitor: Splice OFF,
Computer: Duplicate ON)




**Extended mode**
(Monitor: Splice OFF,
Computer: Extend ON)




**Note 1:**
HDMI connection does not support the extended mode (three screens display different images).

**Note 2:**
For macOS connection, please open the monitor´s OSD menu and navigate to „Other Settings“ to enable „Mac Extension“.

# DRIVER INSTALLATION INSTRUCTIONS

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Only macOS system requires manual driver installation. In USB-C signal clone mode, open the monitor's OSD menu, navigate to „Other Settings", and enable „Mac Extension". A pop-up window named „USB DISPLAY" will appear on the computer side as a removable disk. Open the disk and click on the driver installation package to install. Detailed steps are as follows:

**macOS Instalation Package:**

**1.** Click on the „UsbDisplay_macos_vx.X.X.Xx.dmg" installation package (As the picture below shows).
**2.** Click „Continue" (Step 2 as shown).
**3.** Click „Continue" (Step 3 as shown).
**4.** Enter the computer password and click „Install Software." If there is no password, click "Install Software" directly (Step 4 as shown).
**5.** Wait for the installation to complete and click „Restart" (Step 5 as shown).

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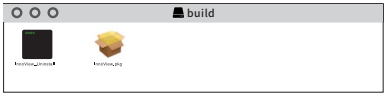
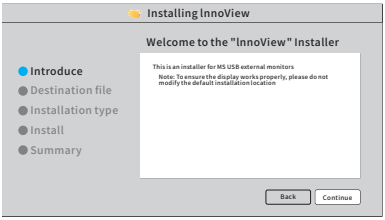
**NOTE:**

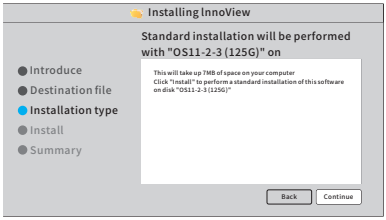
- This is the first-time installation process. If the Us XXX or MXXXx driver has already been installed, please uninstall the existing driver before reinstalling the new version.



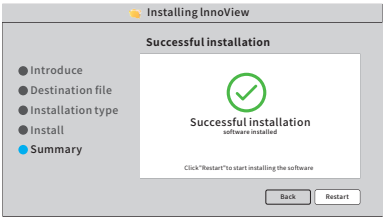

Step 1



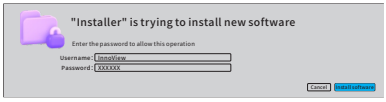

Step 2




Step 3




Step 5




Step 4

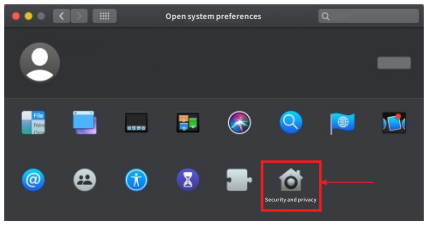
**NOTE:**

- For macOS 10.15 and later, screen recording permissions must be granted to ensure proper display functionality.

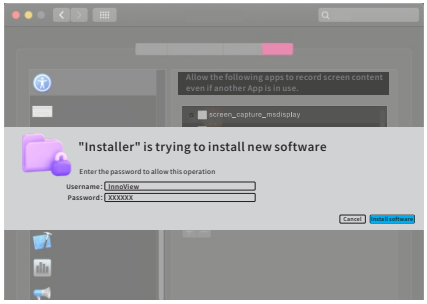
**Steps to Set Screen Recording Permissions on macOS:**

- After successfully installing and restarting the computer, a prompt window will appear (Step 6 as shown). Click „Open System Preferences“ (If there is no prompt window, open System Preferences from the Apple menu on your Mac).
- Select „Security & Privacy“ (Step 7 as shown).
- Choose the „Privacy“ tab, enter the computer password as prompted, and allow changes (Step 8 as shown).
- Click to check „MacUsbDisplay“ (Step 9 as shown).
- Click the lock again to save changes.
- Click „Quit Now“. If the monitor is not working properly, restart the computer.

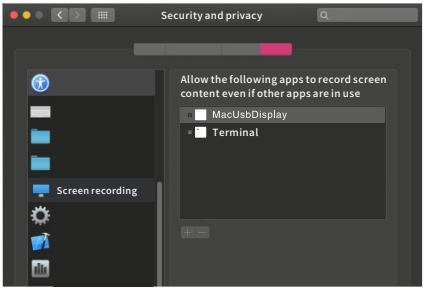
**Step 6**




**Step 7**




**Step 8**

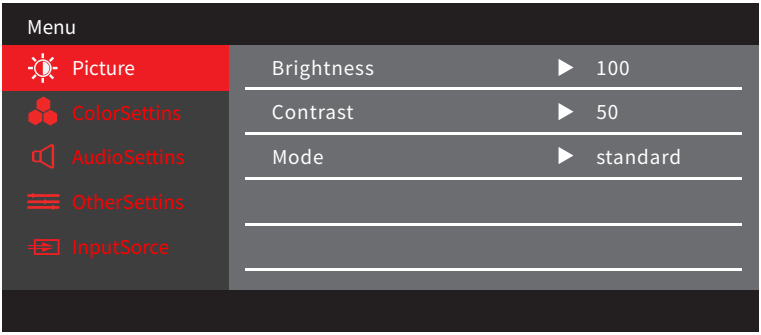



**Step 9**

# MENU DESCRIPTION

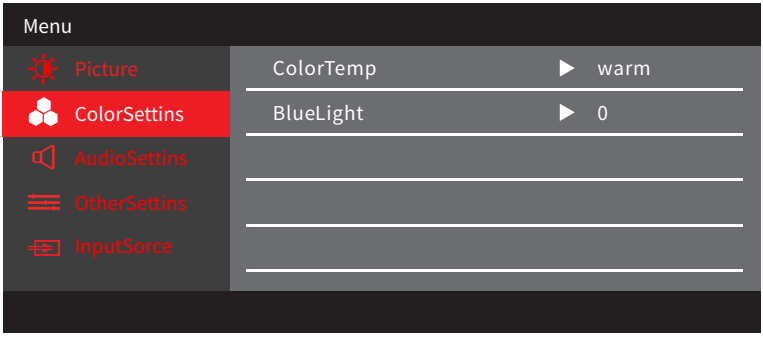
Press the On/Off key/Menu key to open the OSD menu. (The OSD menu automatically exits if you do not perform any operation within 8 seconds. "▲/▼ key" to adjust the menu up and down, in the OSD menu interface steady state, short press the „switch button/menu key" to enter the next level of menu. When the OSD menu is displayed, press "▲/▼" to return to the previous OSD menu or exit the OSD menu.

# BRIGHTNESS CONTRAST MENU



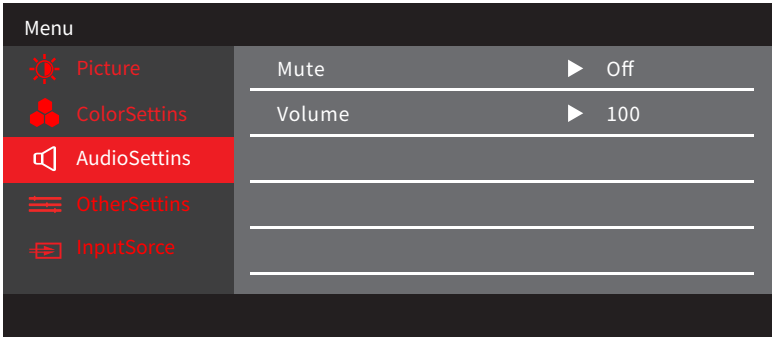

**Brightness:** Adjust the brightness level of the screen, adjust the range of 0–100
**Contrast:** Adjust the contrast level of the screen, the adjustment range is 0–100
**Mode:** Switch the display mode of the monitor

# COLOR SETTINGS MENU



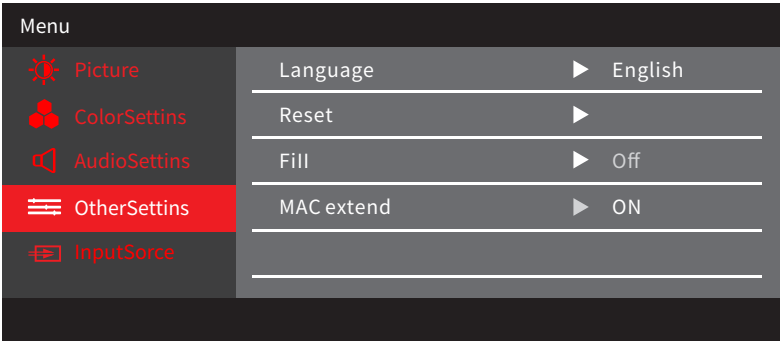

**Color temperature:** Adjust the color temperature mode displayed on the screen
**Blue Light:** Adjust the low blue light mode of the display screen, the adjustment range is 0–100

# SOUND SETTINGS MENU




**Mute:** Turn the volume on or off
**Volume:** Adjust the sound volume, the adjustment range is 0–100

# OTHER SETTINGS MENU




**Language:** Select the language mode
**Reset:** Restore factory Settings
**FiII:** The split screen mode can be turned on or off
**MAC Extension:** Can switch the extension mode under Apple system

# SIGNAL SOURCE MENU

**USB-C (1):** indicates USB-C signal source input.
**USB-C (2):** indicates USB-C signal source input.
**HDMI:** HDMI signal source input;

# BASIC PARAMETERS

| | |
|---|---|
| Screen size | 15.6" ×2 |
| Resolution | 1920 × 1080 |
| Brightness | 250 cd/m² (Typ) |
| Viewing Angle | 170° Wide Viewing Angle |
| Touch or not | NO |
| Refresh rate | 60 HZ |
| Wall mount support | Yes |
| Power source | DC: 5V 3A 9V 3A 12V 2.5A 15V 2A 20V 1.5A |
| Colour gamut | 72 % NTSC |
| Response time * | (Rising + Falling) 20ms |
| Display color | 16.7 Million Colors (8-bit) |
| Static contrast | 1000:1 |
| Speaker | 4Ω 2W ×2 |
| Secondary screen flip | 0–315 ° |
| Port | HDMI ×1, Full-featured USB-C ×2, Headphones ×1 |
| Product size | 355.7 × 217.3 × 24.4 mm |
| Product weight | 1550 g |

# TROUBLESHOOTING (FAQ)



**1. How do I adjust the positions of multiple screens?**
On Windows, go to Settings > System > Display. Click „Identify“ to see which screen is which, then drag them to arrange as needed. Apply the changes. On Mac, go to Apple menu > System Preferences > Displays. Drag and arrange screens under the „Arrangement“ tab.

**2. What if the vertical aspect ratios of screens are different?**
On Windows, go to Settings > System > Display > identify the screen, then select the screen you need to adjust, Click Scaling and layout > Scale, choose the scaling you want. On Mac, open the Apple menu and go to System Preferences (System Settings) > Displays, select the screen you need to adjust, and choose the scaling you want.

**3. How to handle inconsistent vertical screen directions?**
On Windows, in Settings > System > Display, choose „Extend mode“, Identify screen,adjust display direction under „Scale and layout“ (Horizontal / Portrait / Horizontal Flip / Portrait Flip). On Mac, in Apple menu > System Preferences > Displays, select the screen, choose rotation angle (Standard/90°/180°/270°).

**4. Does the screen support auto-rotation?**
In split screen mode mode, the upper screen doesn‘t support 180°auto-rotation. In clone/extended modes, it does, but 90°/270° rotation needs computer settings.

**5. Why does the lower screen show „Waiting“?**
On Windows, if MAC Extension under OSD‘s Other Settings is enabled in extended mode, disable it.
On Mac, if MAC Extension is enabled without the driver installed in clone mode, install the driver correctly.

**5. How to uninstall the driver on a Mac computer without an installation package?**
*Step 1.* Open „Finder“
*Step 2.* Go to the „usr/local/bin/“ folder and find the program named „usbdisplay uninstall“ (or with „uninstall“ in its name), Run it.
*Step 3.* Enter your password, wait for uninstallation to finish, then restart your computer.

# SAFETY INFORMATION



- To reduce the risk of fire or electric shock, do not expose this portable USB-C monitor to rain or moisture.
- Before using this USB-C portable monitor, please make sure all cables are properly connected.
- Avoid extremely dusty environments, temperature changes and humidity. Do not place the USB-C portable monitor in places where there is a risk of moisture or splashes.
- Do not allow objects or liquids to enter the holes/cutouts on the monitor cover.
- In case of technical problems with the portable USB-C monitor, please contact a qualified service technician or dealer.
- Do not throw this product into fire
- There are many narrow holes for ventilation at the top and bottom of the back cover. To ensure continuous operation of the monitor without overheating, these heat dissipation holes should not be blocked or covered. Therefore, the monitor should not be placed on a bed, sofa, blanket or similar surface, nor should it be placed near a radiator or heat source. Unless ventilation is provided, it should not be placed in a bookcase or box.
- Keep this monitor away from sharp objects.
- Do not place the monitor on unstable surfaces. If the monitor is dropped, it can injure the user and potentially cause damage to the device. Follow the recommendations of the monitor manufacturer or supplier when placing it in a car or on a chair. If the monitor is mounted on a wall or shelf, the installation must be approved by the manufacturer and recommended practices must be followed.
- The supply voltage range for display operation is marked on the label on the back cover. If you are unable to confirm the supplied voltage, you can contact your dealer or local power company.
- If you do not use the monitor for a long time, turn off the power. This can prevent damage caused by electric current and abnormal supply voltage during a thunderstorm.
- Do not overload the outlet, as this may result in fire or electric shock.

- Do not insert foreign objects into the device as they may cause a short circuit and cause fire or electric shock.
- Do not open the back cover to avoid high voltage or other hazards. If a malfunction occurs, please contact the after-sales service personnel directly.
- Plug the monitor into the nearest suitable electrical outlet.
- The altitude and tropical suitability of the adapter model is determined by the adapter it is equipped with.
- The rear nameplate is marked with a warning label indicating that the product is only suitable for safe use in non-tropical climates.

Declaration of conformity according to the EMC Directive 2014/30 / EC on the harmonization of legal regulations of Member States related to electromagnetic compatibility

**Manufacturer / importer:**
MISURA Store s.r.o.
K Poště 429/2
252 67 Tuchoměřice

**Person responsible for completing the technical documentation:**
Ing. Jiří Mihel – executive director of the company

**Description and identification of machinery:**
Title: portable dual monitor 15,6“
Model: P24156LYS01

The device described above has been tested in accordance with the below standards and found to comply with the EMC 2014/30/ES. The observations and test results given in this certificate are only relevant for the test sample.

**The product complies with the following European Community regulations:**
Directive EN 55032: 2015 of the European Parliament and of the Council - Electromagnetic compatibility of multimedia equipment – Emission requirements.
Directive EN 55035: 2017 of the European Parliament and of the Council - Electromagnetic compatibility of multimedia devices – Immunity requirements.

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