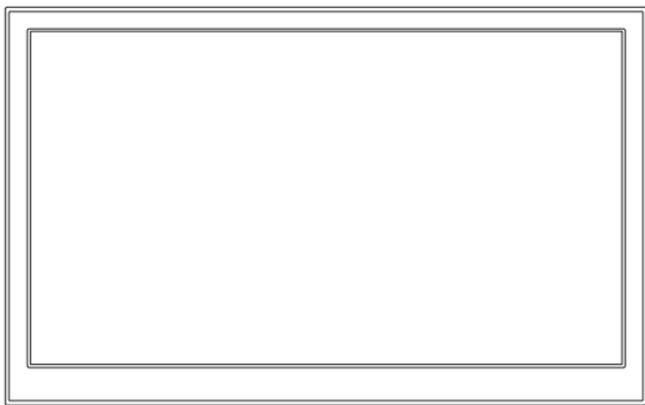# ELECROW

ELECROW 8-inch Portable Monitor

Model: SH080 / SH080T

USER MANUAL

Customer Support:

Should there be any questions, please feel free to let us know and contact us with your purchase order number at _info@elecrow.com_.

Table of Contents

Chapter 01   Before Using the Product

1-1. Safety Precautions

1-1-1. Electricity and Safety.

⚠ Warning

🚫 • Do not use a damaged power cord or plug, or a loose power socket.

  • An electric shock or fire may result.

🚫 • Do not touch the power plug with wet hands.

  • An electric shock may result.

❗ • Insert the power plug all the way in so it is not loose.

  • An unsecure connection may cause a fire.

1-1-2. Installation

⚠ Warning

🚫 • Do not install the product near heat sources.

  • A fire may result.

🚫 • Do not set down the product on its front.

  • The screen may become damaged.

🚫 • Do not install the product on an unstable or vibrating surface (insecure shelf, sloped surface, etc.)

  • The product may fall and become damaged and/or cause an injury.

  • Using the product in an area with excess vibration may damage the product or cause a fire.

1-1-3. Cleaning

— Take the following steps when cleaning.

• 1. Power off the product and computer.

• 2. Disconnect the power cord from the product.

  — Hold the power cable by the plug and do not touch the cable with wet hands. Otherwise, an electric shock may result.

• 3. Wipe the monitor with a clean, soft and dry cloth.

🚫 • Do not apply a cleaning agent that contains alcohol, solvent, or surfactant to the monitor

🚫 • Do not spray water or detergent directly on the product.

- 4. Wet a soft and dry cloth in water and wring thoroughly to clean the exterior of the product.
- 5. Connect the power cord to the product when cleaning is finished.
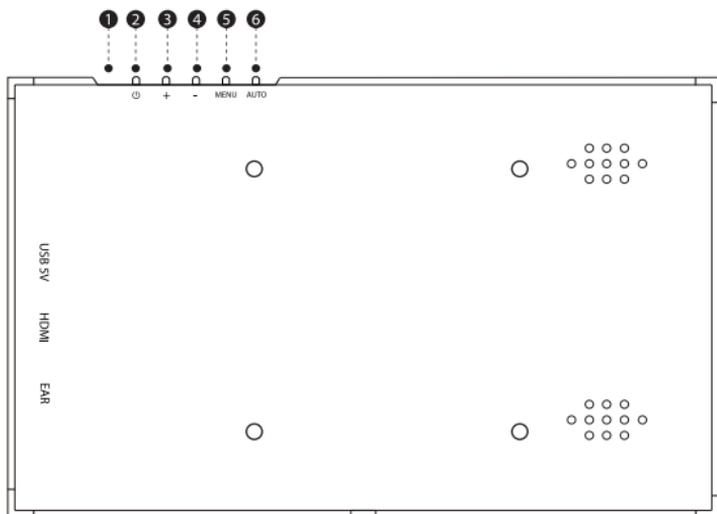- 6. Power on the product and computer.

1-2. Package Contents

- 1x 8-inch HDMI Monitor
- 1x HDMI to HDMI Cable
- 1x USB A to Micro USB Cable
- 1x Metal Stand
- 1x User Manual

1-3. Product Description

127.0mm

195.0mm

14.0mm
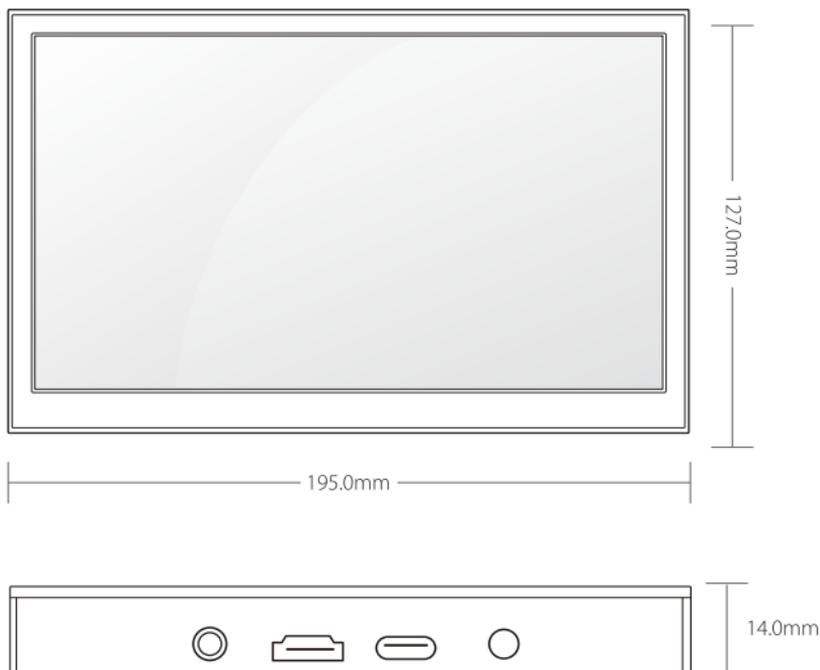
1-3-1 . Button Indications

❶	**Light**	Blue light indicated working status.
❷	⏻	Power Button.
❸	**+**	By default, the key is the hot key for volume.
		When in the OSD menu, press for up/increase adjustment .
❹	**−**	By default, the key is the hot key for volume.
		When in the OSD menu, press for down/decrease adjustment.
❺	**MENU**	By default, the key is the hot key for the function Mute.
		When in the OSD menu, press to the select the menu options.
❻	**AUTO**	When in the OSD menu, press to confirm the selection and exit
		to the previous the OSD menu.

1-3-2. Port Description

❶ **USB 5V (USB Type C)**: Power supply for non-touch version.

Power supply & touch function for touch version.

❷ **HDMI**: Connects to a source device using an HDMI cable.

❸ **EAR (3.5mm Headphone Jack)**: Connects to an audio output

device such as headphone.

❹ **DC**: Power supply port.

4
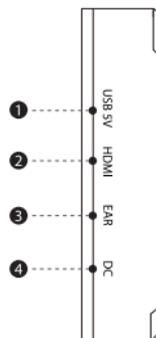
2-1. Connected to Raspberry Pi

2-1-1. Preparations

Number	Material	Quantity
1	Raspberry Pi Board (4B, 3B+, 3B, 2B+, 2B)	1pc
2	8-inch HDMI Monitor	1pc
3	HDMI to HDMI/HDMI to Micro HDMI cable	1pc
4	USB A to Micro USB Cable	1pc
5	5V/2A or 5V/3A Power Adapter	1pc

2-2-2. Connect the Monitor to Raspberry Pi and Power the Raspberry Pi.

❶ HDMI cable   ❷ USB A to USB Type C cable   ❸ 5V/2A or 5V/3A power adapter
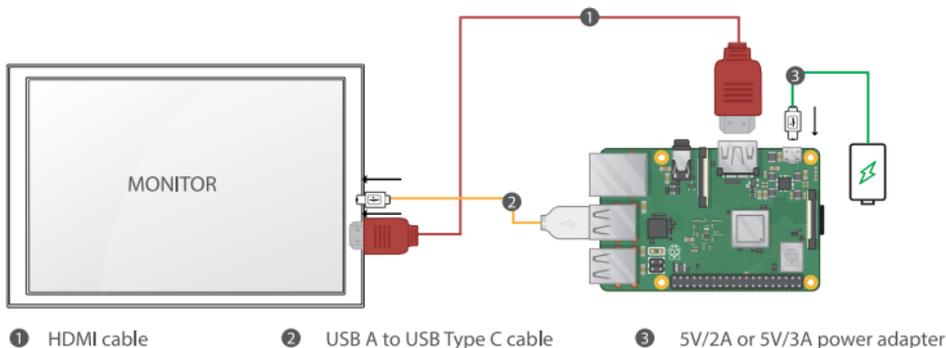
(1)Monitor Connected to Raspberry Pi 1/2/3

     MONITOR—HDMI to HDMI cable ————— Raspberry Pi

     MONITOR—USB Type C to USB A ————Raspberry Pi

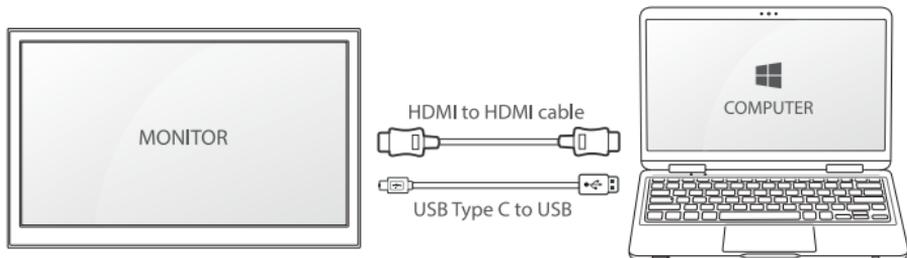   5V/2A power adapter (Micro USB) ————— Raspberry Pi

(2)Monitor Connected to Raspberry Pi 4

     MONITOR—HDMI to Micro HDMI cable -—— Raspberry Pi

     MONITOR—USB Type C to USB A ————— Raspberry Pi

     5V/3A power adapter (Type C) ————— Raspberry Pi

2-2. Connected to PC/Laptop (with HDMI Port)

MONITOR

HDMI to HDMI cable

USB Type C to USB

COMPUTER

⚠ ***Note:**

• Please connect the cables first then power the Raspberry Pi. And use the full 2A for power supply with Raspberry Pi 3B+, 3B, 2B, B+, A, fully 3A for Raspberry Pi 4B.

• For the touch version monitor, no extra driver needed, just connect the USB cable to the signal output device (not power adapter) to achieve the touch function.

Chapter 03　Screen Setup

3-1. How to Reconfigure OSD (On-Screen Display) Menu

• 1. Press the **MENU** button to activate the OSD menu.

• 2. Press the **+/-** button to toggle between options in the menu. As you move from one icon to another, the option item is marked shadow.

• 3. Press the button **MENU** to select the shadow marked item on the menu.

• 4. Press the **+/-** button to select the parameter.

• 5. Press the button **MENU** to enter the slide bar and then use the **+/-** button to make your changes, according to the indicators on the menu.

• 6. Press the **AUTO** to save the setting and return to the previous menu. If you want to adjust any other functions, repeat steps 2-5.
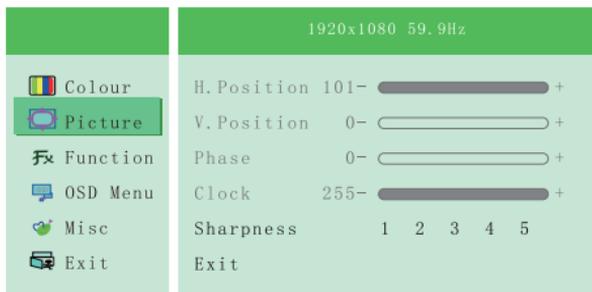
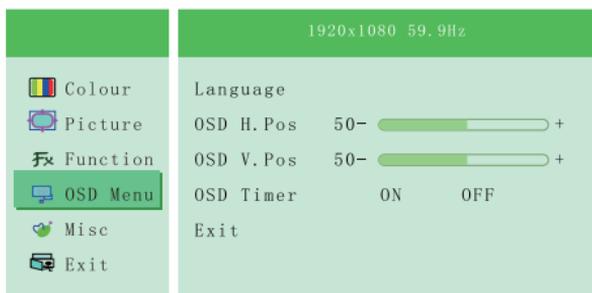## 3-2. OSD Function Introduction

Colour
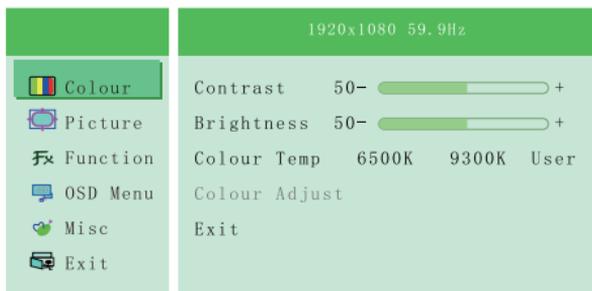
- **Contrast**: The adjusting range is from 0 to 100.
- **Brightness**: The adjusting range is from 0 to 100.
- **Colour Temp**: Adjust the Color Temp mode (6500K/9300K/USER).

Picture

- **Sharpness**: The adjusting range is from 0 to 5.

OSD Setting

- **Language**: Select the OSD language.

  The selections are: English / German / Korean / Chinese Traditional / Japanese / French / Spanish / Italian / Chinese Simplified / Portuguese.

- **OSD H. POS.**: Adjust the horizontal position of OSD menu.

  The adjusting range is from 0 to 100.

- **OSD V. POS.**: Adjust the vertical position of OSD menu.

  The adjusting range is from 0 to 100.

- **OSD Timer**: Adjust OSD timeout from 0 (off) to 60.

Misc

```
                          1920x1080  59.9Hz

   ▥ Colour         Input       VGA      HDMI
   ◎ Picture        Reset       YES      NO
   Fx Function      DIM Level   LOW MID HIGH
   🖵 OSD Menu       Exit
   ✔ Misc
   🖴 Exit
```
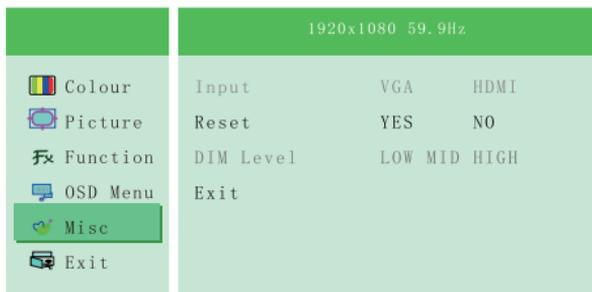
- **Reset**: Selects "Yes" to revert all settings to the factory default mode.

Model Name	SH080 / SH080T
Panel Size	8 inch
Aspect Ratio	16:10
Resolution	1280x800, up to 1080P
Contrast	800:1
Brightness	300cd/m2
Response Time	16 (Typ.)(Tr+Td) ms
Vertical Frequency	60 Hz
Viewing angle	80/80/80/80
Display Mode	ADS, Normally Black, Transmissive
Display Color	16.7M, 72% (CIE1931)
Display Area	176.64x110.4 mm
Phys. Dimension (WxHxD)	195x127x14 mm
Power Source	USB 5V/2A
Power Consumption	Standby <1 W, Power on <8 W
Net Weight (Esti.)	280(g)

5-1. Troubleshooting Guide

• This page deals with problems that can be corrected by a user. If the problem still persists after you have tried these solutions, please contact customer support.

Problem	Possible Solutions
No Power	1. Press the power button to check if the monitor is ON.
	2. Change another USB cable to have a try.
No Picture/No Signal	1. Check whether the monitor and the signal output device are in the ON mode.
	2. Reconnect the signal cable.
	3. Check if the signal is matched with the input function.
	4. Connect another available output device/signal cable/monitor to check whether the issue is caused by the output device hardware, the video signal to the monitor or the monitor itself.
No Sound	1. Adjust the volume settings via the button.
	2. Check whether the headphone is inserted.
	3. The silencer is working.
Dark/Light Picture	Adjust the Brightness settings via the button.
Screen Flickers	1.Power the screen with external power with full 5V/2A.
	2.Change another HDMI cable.

5-2. Warranty

• ELECROW Monitors carry a one (1) year limited warranty from the purchase date. In order to receive warranty service, proof of purchase of the ELECROW product is required. To obtain warranty service, please contact Customer Support.

• This limited warranty does not cover for:

Improper installation or maintenance; Misuse or Neglect; Repair, modification, or installation of options or parts by you or any third party; Improper environment- Excessive or inadequate heating or air conditioning or electrical powers failures, surges or other irregularities; Fire, flood, earthquake or other accidents.

5-3. Customer Support

• If you have any questions, customer support is always stand by.

✉ info@elecrow.com   f @elecrow