VM40

Vlog Selfie Monitor

1.Introduction

1.1 Overview

Designed to enhance mobile shooting experiences, this monitor allows users to easily use the rear camera for selfies with real-time preview for accurate composition. Featuring a 3×Type-C port design with OTG support, it enables power supply, video transmission, and external accessory connections like fill lights. Compatible with most mainstream flagship phones equipped with full-feature Type-C ports and supports 1080p HDMI input. The 3.97-inch screen supports real-time dual-screen interaction, offering users an intuitive view during selfies or recording. With two power supply modes, it ensures worry-free battery life. It supports various zoom display modes and image rotation/mirroring functions to meet different shooting needs. Plug-and-play with no complex setup required. Comes with a dedicated magnetic stand featuring a cold shoe mount and 1/4" screw hole for enhanced shooting flexibility.

1.2. Main Features

- 3×Type-C ports; USB-C OUT supports OTG function for connecting USB accessories like fill lights and provides power output
- PHONE IN and 5V IN ports support video input and power delivery
- Compatible with most flagship smartphones with full-function Type-C ports; supports 1080p HDMI input
- 3.97-inch screen with real-time dual-screen interaction
- Two power supply modes (DC power + mobile phone power)
- Multiple zoom display modes, rotation and mirroring support
- Dedicated magnetic mount with cold shoe and 1/4" standard screw hole

2.Specifications

Connection	Interface	HDMI IN×1 PHONE IN × 1 (At the bottom of the device, for signal source connection) 5V IN (At the bottom of the device, for power supply connection) USB-C OUT×1 (On the side of the device, for connecting external devices; OTG interface, can read files from a USB drive when connected)
Screen	Screen Size	3.97 inches
	Screen Resolution	480*800
	Viewing Angle	Full angle
	Brightness	450cd/㎡
Standards	HDMI Input Resolution	1080p 60/ 59.94/ 50/ 30/ 29.97/ 25/ 24/ 23.98 1080i 60/ 59.94/ 50 720p 60/ 59.94 /50/ 30/ 29.97/ 25/ 24/ 23.98 576i 50, 576p 50, 480p 60/ 59.94, 480i 60/ 59.94
	HDMI Color Space and Precision	RGB 8/10/12bit, YCbCr 444 8/10/12bit, YCbCr 422 8bit
Others	Power	USB Type-C 5V
	Power Consumption	≤2W
	Temperature	Operating Temperature: -20℃~60℃ Storage Temperature: -30℃~70℃
	Relative Humidity	5%~90% non-condensing
	Dimensions	102.8×62×12.4mm
	Weight	Net weight: 95g, Gross weight: 185g
	Warranty	1 year

3.Interfaces and Buttons

4.Connection and Use

- **Connecting the Signal Source**

1.USB Video Connection: Use the standard USB Type-C cable provided to connect the VM40 to a device with a full-function Type-C interface (such as a phone, computer, or camera) through the bottom USB-C input (PHONE).

2.HDMI Video Connection: Connect the VM40 to a device with HDMI output (such as a phone, computer, or camera) using an HDMI cable.

3.Signal Source Priority: When both HDMI input and bottom USB-C input (PHONE) are connected to a phone, computer, or other signal source, the VM40 will prioritize the USB-C input (PHONE) signal.

- **Power Input**

1. The VM40 requires external power to operate. When connected to a video source device through the bottom USB-C input (PHONE) interface, it can simultaneously transmit video signals and supply power.

2.Through the bottom USB-C interface (5V IN), the VM40 can be connected to a power bank or other 5V power source to supply power and also charge the phone.

- **Power Output**

1.The side USB-C (USB-C) interface can be used to connect external auxiliary devices.

2.It supports the OTG function, and when a USB drive is connected, it can read files from the USB drive.

- **Display and Adjustment of the Image**

After the connection is completed, the VM40 will automatically display the image of the target device. Users can adjust the brightness, exposure assist, rotation angle, screen ratio adjustment, and mirroring functions according to their needs to obtain the best display effect.

5.Button Functions

VM40 supports a variety of practical functions, including screen brightness adjustment, exposure assist, screen rotation, screen ratio adjustment, and mirroring functions. Through the K1, K2, and K3 buttons, you can easily perform the following operations.

Button	Short Press Function	Long Press Function
K1	**Adjust screen brightness (20%/ 40%/ 60%/ 80%/100%)** Short press K1 button to adjust the screen brightness, with brightness options of 20%, 40%, 60%, 80%, and 100% (cycling through the options). Adjust the screen brightness according to the ambient light to ensure a clear and comfortable display effect.	**Switch exposure assist (zebra pattern/pseudo color/off)** Long press K1 button to select the exposure assist function. The first long press activates the zebra pattern function, which uses black and white stripes to indicate overexposed areas, suitable for quickly judging exposure issues. The second long press switches to the false color function, which displays brightness distribution through color coding, providing more comprehensive exposure information. The third long press deactivates the exposure assist function. This feature is suitable for professional shooting, helping to precisely control the exposure of the image and enhance the quality of the shoot.

K2	**Screen rotation function (0°/180°/90°/270°)** Short press K2 button to rotate the screen, with rotation angles of 0°, 180°, 90°, and 270° (cycling through the options). Adjust the screen display angle according to the orientation of the device to meet different usage requirements.	**Enable/disable mirror function** Long press K2 button to enable or disable the mirroring function. This function is suitable for live streaming, selfies, and other situations where a mirrored display is required.
K3	**Adjust screen ratio (stretch/original/center)** Short press K3 button to adjust the screen ratio, with three options available: stretch, original, and center. Stretch: The image is stretched to fill the entire screen, which may cause distortion. Original: The image maintains its original 1:1 aspect ratio, with no stretching. Center: The image is proportionally enlarged to fill the screen, displaying the central part of the image. Users can adjust the display ratio according to their content needs to achieve the best viewing effect.	**N/A**