DIS85101D

10.1inch display with IPS Datasheet

Contents

1. Summary description

1.1. Feature description

- ✧ 10.1 inch display with IPS full-angle panel, excellent viewing angle
- ✧ Support HDMI video input
- ✧ Resolution 1280 x 800
- ✧ Full protection for the display with a shell
- ✧ Tempered glass panel, hardness up to 6H, durable, scratch resistant
- ✧ Support mainstream Mini PC, such as Raspberry Pi, Banana PI and BB black
- ✧ Use as a Raspberry Pi display, support Raspbian, Ubuntu, Kali, win10 IOT and other systems
- ✧ Can be used as a computer monitor, supporting Win7, Win8, Win10, Win11 systems
- ✧ Can be used as a universal HDMI display, connect to the computer

1.2. Product and accessory images

10.1 inch LCD X1

HDMI-A cable X1

Micro USB to USB-A cable(45CM) X1

Micro USB to USB-A cable(100CM) X1

Copper columns and screws(M2.5) X4

Cross-head screwdrive X1

Bracket X2

Micro-HDMI to HDMI-A Adapter X1

Outer packaging box X1

2. Parameter

2.1. LCD Parameter

Item	Parameter	Unit
LCD Size	10.1	inch
LCD Type	IPS	-
Pixel Pitch	1280 * 800(RGB)	pixels
Active Area	216.58*135.36	mm
View Angle	170	deg
Luminance(TYP)	220	cd/m2
Backlight Type	White LED	-
Operation Temperature	-20~60	℃
Storage Temperature	-30~70	℃

2.2. Size Parameter

Item	Parameter	Unit
Iron frame Size	239.4*157.4*12.3	mm

2.3. IC and interface parameters

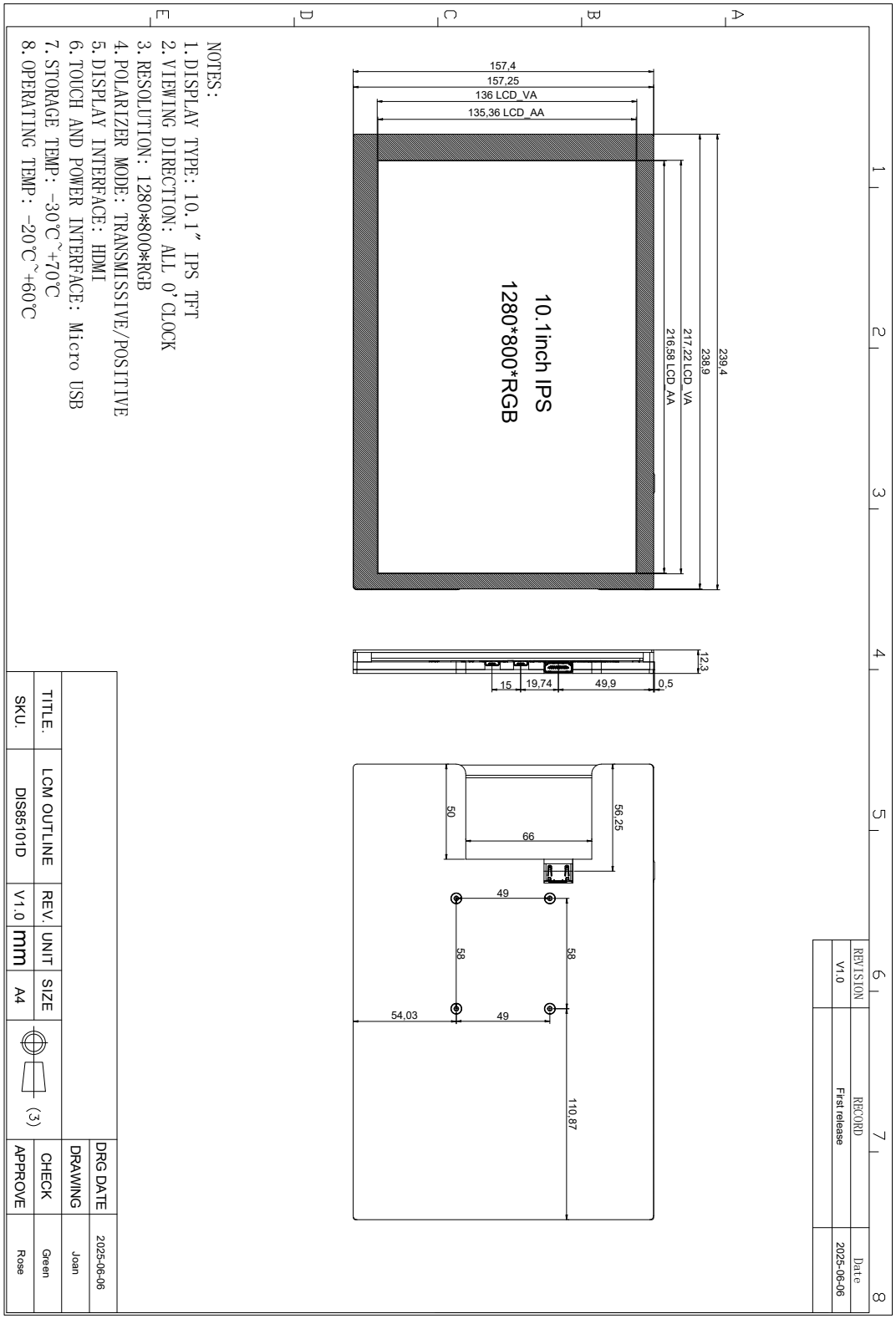
Item	Parameter	Unit
Video input interface	HDMI	-
Power	Micro-USB	-
Touch	Micro-USB	-

2.4. Other parameters

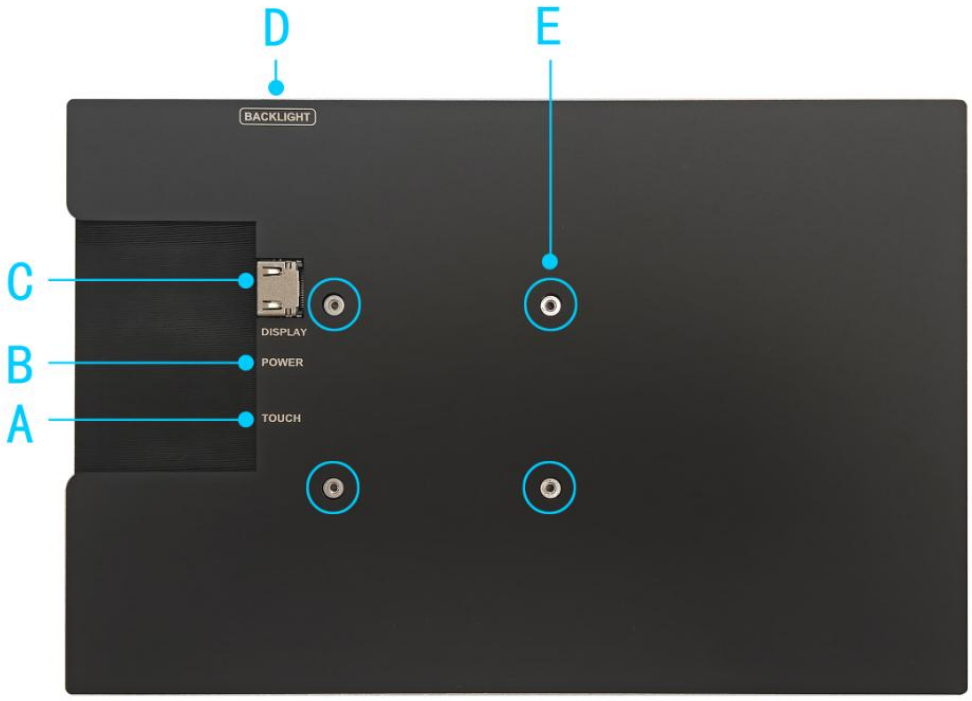
Item	Parameter	Unit
SKU	DIS85101D	-
Voltage	5.0	V
Total power (max)	5.29	W
Weight	892	g

3. Size

3.1. DIS85101D Size



4. Interface and switch



interface	Function Description
A: TOUCH (Micro-USB)	Micro USB cable is used to connect with the signal source device. This interface is used for touch and power supply
B: POWER (Micro-USB)	Using micro USB cable and power connection, this interface is only used for power supply
C: HDMI	Use HDMI cable to connect with signal source equipment
D: Side key	It is used to adjust the brightness. Press once to increase the brightness by 10%. After reaching 100%, press once again to return to 10%; Press and hold for 3 seconds to turn off the backlight, and then press again to restore the original brightness
E: Copper pillar	Used to fix Raspberry Pi (M2.5)

5. Connect and USE

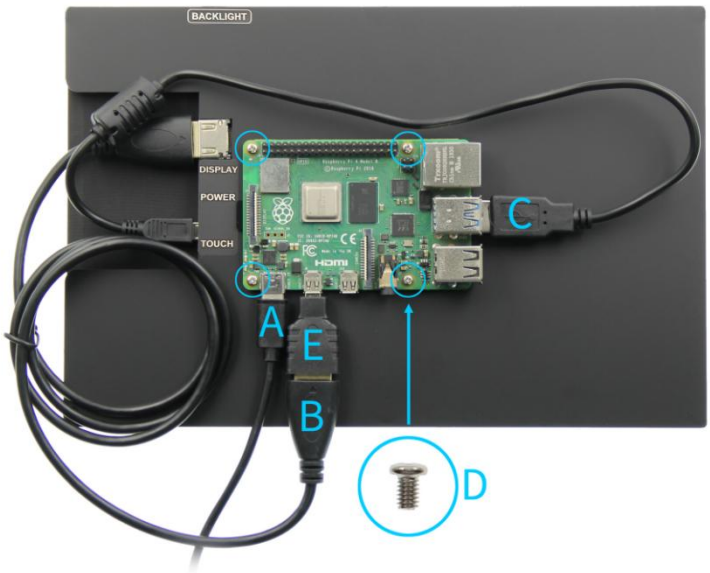
5.1. Connect to PC/Laptop

A: HDMI cable

B: Micro-USB to USB A cable (for touch and power)

5.2. Connect to Raspberry

As shown in the figure, first install the four copper columns, then place the Raspberry Pi, next tighten the screws, then connect the adapter, HDMI cable and Micro-USB cable, and finally plug in the power cord to power the Raspberry Pi.



Connet to Raspberry Pi 4B

A: 5V/3A power cable (Type-C)

B: HDMI cable

C: Micro-USB cable

D: Screw (M2.5)

E: Micro-HDMI to HDMI-A adapter

attention：First, connect the power cord properly, then power on the Raspberry Pi. When using Raspberry Pi 4B, ensure that the supply current can reach 3A. For Raspberry Pi 3B+, 3B, 2B, B+, B+, A, ensure that the supply current can reach 2A. If the power supply is insufficient, please use an external power source and connect it to the POWER interface. Otherwise, there may be situations such as black screen or the Raspberry Pi not being able to boot due to insufficient power supply.