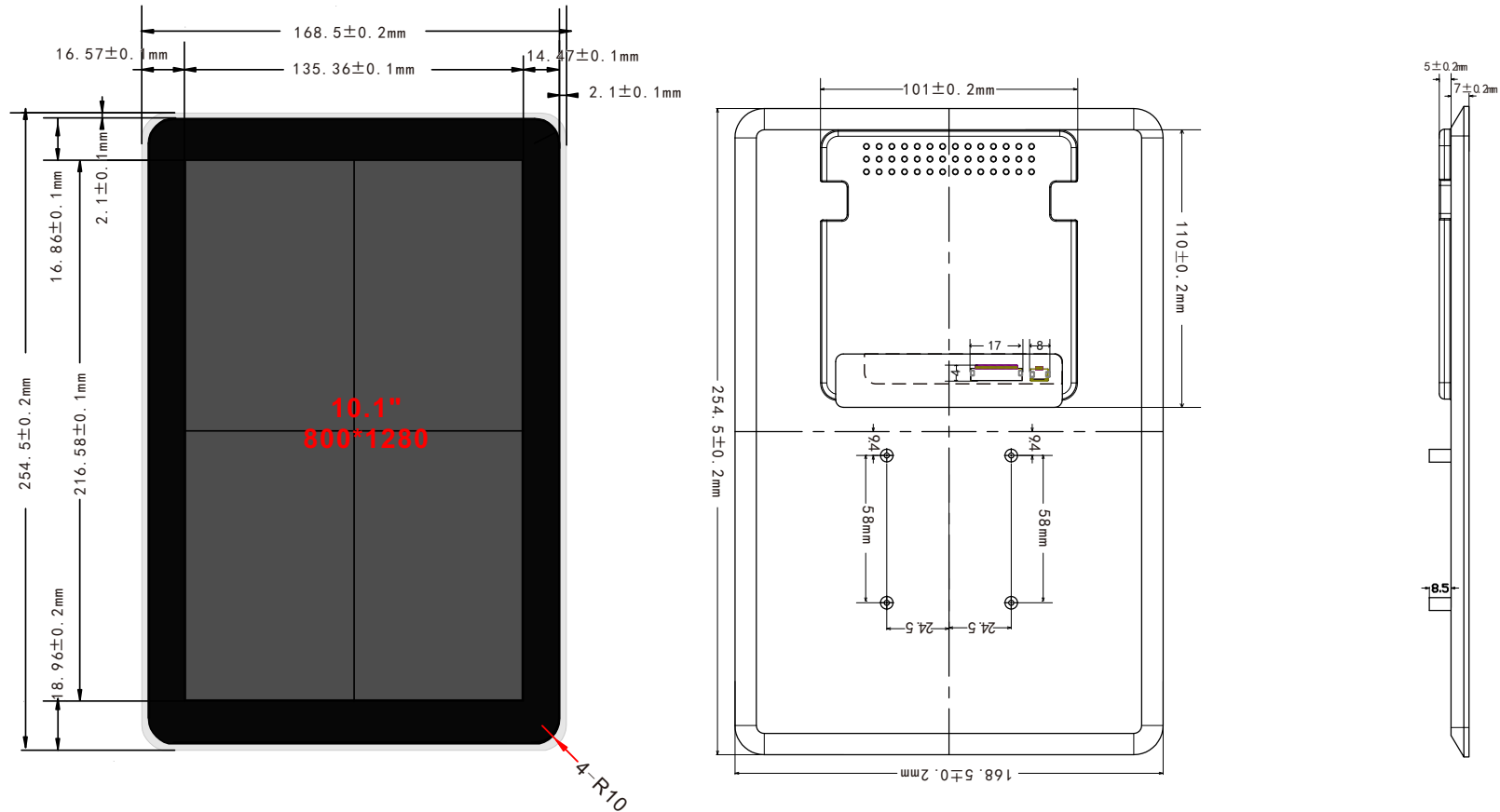


OSOYOO 10.1 inch IPS DSI Screen for Raspberry Pi

SIMPLIFIED DATASHEET

Physical dimensions for 10.1" DSI screen

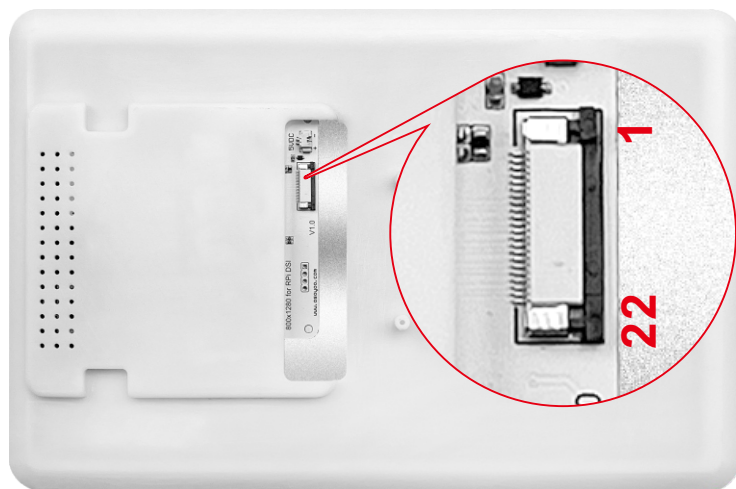


Feature

- 10.1 inch DSI touch screen
- IPS display panel with hardware resolution of 800×1280
- Toughened glass capacitive touch panel, hardness up to 6H
- Support drives the LCD directly via the DSI interface of the Raspberry Pi, and the refresh rate is up to 60Hz.
- Driver needed. Easy driver installation, and only supports the latest Bookworm and Trixie system (Released on 2025-05-13 and 2025-10-1)
- Supports all Raspberry Pi computers with DSI interfaces (Raspberry Pi 5/4/3/2)

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Pin	Symbol	Pin	Symbol
1	3V3	12	MIPI_D2_N
2	12C_SDA	13	GND
3	12C_SCL	14	MIPI_CLK_P
4	GND	15	MIPI_CLK_N
5	RESERVE	16	GND
6	RESERVE	17	MIPI_D1_P
7	GND	18	MIPI_D1_N
8	MIPI_D3_P	19	GND
9	MIPI_D3_M	20	MIPI_DO_P
10	GND	21	MIPI_DO_N
11	MIPI_D2_P	22	GND

• Specifications

Parameters	Value	Unit
Input voltage	5.00	V
Input current	0.5	A
Dot arrangement	800(H)x3(RGB)x1280(V)	pixels
Display mode	IPS(Normal Black)	—
Viewing Direction	85/85/85/85(All)	°
Module size	168.5(H)x 254.5(V)x15.5(D)	mm
Active area	135.36(H)x216.58(V)	mm
Interface	2&4 Lanes MIPI DSI Interface	—
Surface Hardness	6H	—
Weight	525	g
Backlight brightness	TYP=250	nits
LCD type	TFT	—
Panel type	G+G	—
Operating temperature	0~50	°C
Storage temperature	-10~70	°C
Refresh rate	60	Hz
Contrast Ratio	800	—
Response Time	25	ms

Note: Unmarked tolerance: ±0.20