
Specifications for 30-inch vertical OLED transparent screen

Product model: HBM-C3001



1. Product Introduction:

HBM-C3001 transparent screen uses LG OLED screen, supports 1366*768 output, smooth video playback, built-in audio and video processing functions, and can output high-quality pictures and sound quality. The display brightness is 600cd/m2 , and the transparency is 40%. Wider color gamut.

Industrial-grade design, advanced technology, energy-saving and environmentally friendly.

2. Features:

- Adopt hard screen technology, wide viewing angle, fast response speed, high color reproduction, human-computer interaction function. Adopt capacitive touch, smoother touch (optional) ,
- 1366*768 resolution ;
- Ultra-high contrast, the picture display is more vivid and the color performance is more outstanding ;
- Adopting OLED self-luminous mode, the brightness is more uniform ;
- The viewing angle can reach 178°, close to horizontal;
- The whole machine is made of metal, which is radiation proof, magnetic field proof and strong electric interference proof.
- Industrial-grade design, high reliability and high stability;

3. Specifications:

Panel parameters	size	30 "
	Backlight type	O LED
	Single screen resolution	1366*768
	Single screen display size (mm)	676.09(H) x 387.48(V) mm (Typ.)
	Pixel pitch (mm)	0.4863 mm x 0.4863 mm
	Response time	8 ms (typ.)
	brightness	White 400/150 cd/m2 (center 1 point, typical)
	Contrast	15000 :1
	Viewing Angle	R/L 120 (min.), U/D 120 (min.)
	Color Depth	10bit (R), 1.07 billion
	Transparency	40% (typical)
	Display Scale	16:9
	Refresh rate	60Hz
Master Configuration	CPU	RK3568, quad-core, up to 2.0GHz, Android11
	GPU	Mali-G52 GPU supports OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
	Memory	4GB
	Built-in storage capacity	32GB TF Card expansion (can be used to expand SSD)

	network	Support RJ45 R/A 100M Ethernet, support Ethernet; Support 2.4GHz Wi-Fi; support Wi-Fi 802.11b/g/n protocol; Support Bluetooth 4.2, and send programs via mobile phone Bluetooth.
	Image Rotation	Supports 0, 90, 180, and 270 degree manual rotation; optional gravity sensor to support automatic rotation
	Display Interface	1*LVDS interface (single/dual, 6-bit/8-bit), support 3.3V/5V/12V power supply 1 EDP interface, 1 HDMI 1 V-By-One interface, supports 1080P output 1 HDMI IN interface is reserved, which can be equipped with a small board Onboard backlight control supports 12V backlight power supply
operating system	Android 11.0 (Windows system optional)	
Signal interface	HDMI output interface	*1
	MIPI output interface	*1
	USB output interface	External interface 2
	Network Features	LAN port*1
	Audio Output	*1
	Microphone Input	*1
Built-in speaker	Built-in speaker, built-in audio 2×5W (8Ω)	
Structural dimensions	net weight	
	Gross weight (single package)	
	Bare metal dimensions (W x D x H)	459*440*1620
	Housing Material	Sheet Metal
Touch parameters (optional)	Touch embedding method	Built-in integrated, non-external
	Touch Sensing Technology	Capacitive sensing recognition touch technology (more than 10 points)
	Writing method	Finger, stylus or other non-transparent object with a diameter of not less than 5mm (maximum 8mm)
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	Cursor speed	120 points/s
	Positioning accuracy	More than 90% of the touch area is ±2mm
	Touch resolution	32767*32767
	Number of touches	Theoretically unlimited
	Surface hardness	Mohs 7 explosion-proof glass

	Computer Response	System automatic identification; $\leq 15\text{ms}$
Power consumption	Power input voltage	100 V ~ 240 V / AC, 50 / 60 Hz
	Machine power	450 W
	Standby power	< 5 W
Work Environment	Operating temperature	0 °C ~ 50 °C
	Operating humidity	5% ~ 90%
	Storage temperature	-20 °C ~ 60 °C
	Storage humidity	0% ~ 60 %
language	OSD	English / Simplified Chinese
appendix	Power cord	*1
	Certificate	*1
	manual	*1

4. Product size diagram:

