
Specifications for 55-inch vertical OLED transparent screen

Product model: HBM-C5501



1. Product profile:

HBM-C5501 transparent screen uses LG OLED screen, support HD 1920 * 1080 output, exquisite picture resolution, smooth video playback, including audio and video processing function, can output high quality picture and sound quality. Display with 400 cd/m2 brightness, 40% perspective, and a wider color gamut. Industrial-grade design, advanced technology, energy-saving and environmental protection.

2. functional characteristics:

- Using hard screen technology, large viewing Angle, fast response speed, high color reduction degree;
- Human-computer interaction function. Capacitive touch for smoother touch (optional),
- 1920 * 1080 ultra-high resolution, the picture quality performance is more delicate;
- Super high contrast, the picture display is more distinct, the color performance is more outstanding;
- Using OLED self-luminous mode, the brightness performance is more uniform;
- The perspective can reach 178°, approaching close to the level;
- The whole metal structure, radiation, magnetic field, strong electric interference;
- Industrial-grade design, high reliability, high stability;

3. Specification and parameters:

Panel parameters	size	55"
	Backlit type	O LED
	Single screen resolution	1920*1080
	Single-screen display size (mm)	681(W)×1210(H)
	Pixel distance (mm)	0.630mm x 0.630mm
	response time	8ms (typ.)
	luminance	White 400 / 150 cd / m2 (center 1 point, typical value)
	contrast ratio	15000:1
	Visual Angle	R / L 120 (minimum), U / D 120 (minimum)
	Dark color	10bit (R) , 1.07 illon
	Transparency rate	40% (typical value)
	Show the proportion	16:9
	Refresh the frequency	60Hz
Main control configuration	CPU	RK3568, Quad-core, the main frequency up to 2.0GHz, Android11

	GPU	Mali-G52 GPU supports OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, and Vulkan 1.1
	internal storage	4GB
	Built-in storage capacity	32GB TF Card Extension (available for extension SSD)
	network	Support RJ45 R / A 100 trillion Ethernet, support Ethernet; Support the 2.4GHz Wi-Fi; support the Wi-Fi 802.11b/g/n protocol; Support Bluetooth 4.2, mobile phone Bluetooth send program.
	picture orientation	Support 0 degrees, 90 degrees, 180 degrees, 270 degrees manual rotation; optional gravity sensing sensor, support automatic rotation
	Displays the interface	1 * LVDS interface (single / dual, 6 bit / 8 bit), support 3.3V / 5V / 12V power supply 1 route EDP interface, 1 route HDMI 1-way V-By-One interface with 1080P output Reserve a 1-channel HDMI IN interface, which can be equipped with a small board The onboard backlight control supports the 12V backlight power supply
operating system	Android 11.0 / i5 cpu (Optional windows system)	
signal interface	HDMI, the output interface	*1
	MIPI, the output interface	*1
	USB output interface	External interface 2
	Network function	LAN port * 1
	Audio output	*1
	The microphone input	*1
Built-in horn	Built-in speaker, built-in audio 25W (8 Ω)	
structure size	net weight	62KG
	Gross weight (single package)	82KG
	Overall dimensions of bare machine (W x D x H)	1801.5*793*490
	sheathing material	metal plate
Touch parameters (optional)	Touch the embedding mode	Built-in integrated, non-external type
	Touch induction technology	Capacitive sensing touch technology (above 10 points)
	The way of writing	Finger, touch pen, or other non-transparent object with diameter not less than 5mm (multipoint 8mm)
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		(multipoint 8mm)
	Cursor speed	120 Points / s
	positioning accuracy	Over 90% of the touch area is $\pm 2\text{mm}$
	Touch resolution	32767*32767
	Touch times	Theory infinite times
	surface hardness	Mohs 7 grade explosion-proof glass
	Computer response	System automatic recognition; 15ms
Power power consumption	Power input voltage	100 V ~ 240 V /AC, 50/60 Hz
	The power of the machine	450W
	Standby power	<5W
work environment	working temperature	0°C ~ 50°C
	Working humidity	5% ~ 90%
	storage temperature	-20°C ~ 60°C
	Storage humidity	0% ~ 60%
language	OSD	English / Jane Zhong
appendix	power line	*1
	certificate	*1
	instructions	*1

4. Product size diagram:

