



Interactive All-in-one LED video wall

G165 (WG165-ZT)



Description

An LED display device with a split screen and system design, with highly integrated functions, supports ultra-fast 10-point touch, and has the characteristics of long service life, fast frame change speed, high refresh rate, good uniformity, wide viewing angle, high grayscale, etc. It is suitable for university tiered classrooms, academic lecture halls, large, medium and small university conference rooms and other places.

Features

- *The whole machine adopts an ultra-narrow frame, and the aluminum alloy frame adopts an anti-collision rounded corner design, with seamless connections at the corners, making the product and people safer.
- *The screen has a visible range of $\geq 175^\circ$, and the image is still clear at a wide angle. High refresh rate, the refresh rate can reach more than 4200Hz, and the image continuity and smoothness are good.
- *The screen is encapsulated with nano-optical composite materials, highlighting details such as deep gray and bright color spectrum. The screen is smooth and anti-static, touchable, and soft and non-glaring. There is no glare or stinging feeling when watching for a long time, which improves the visual comfort and experience of users.
- *The screen adopts infrared touch technology, supports multi-touch writing by multiple people, and can write up to 10 points at the same time. The touch resolution is as high as 32767*32767, the touch accuracy is 1mm, the recognition is accurate, and there is no dead angle in the full screen touch.
- *The module inside the screen has a bottomless design. The module fits the box, and the lamp beads dissipate heat quickly and evenly, effectively reducing heat radiation. Users will not feel "burned", and the immersive visual experience is better. There is no fan structure, and the noise of the whole machine is $\leq 10\text{dB}$.
- *The software is developed and customized based on the Android system, with three major functions: browsing, sharing, and collaboration, and rich application scenarios. It has built-in WPS, clock, welcome interface, calendar and other application software, and can add third-party APP applications.
- *It has built-in hidden antennas (WIFI, AP, Bluetooth), which can realize Wi-Fi wireless Internet access and AP wireless hotspot transmission at the same time. It has Bluetooth 5.0 and can connect to common peripherals such as Bluetooth remote control, Bluetooth mouse, Bluetooth keyboard, Bluetooth speakers, etc.
- *It has 4 scene modes: standard, soft, cinema, and video, and can also customize brightness, saturation, contrast and other parameters. Users can choose different modes for different conference application scenarios to ensure that large-screen document presentations, video playback, and remote conferences can all present the best display effects.
- *It has a one-key eye protection mode, which, when turned on, can effectively reduce the damage caused by harmful high-energy blue light, improve viewing comfort, and protect the eyes.
- *With wireless screen projection function, you can transfer the external computer screen to the large screen through screen projection software or screen projection device, and connect up to four devices for screen projection at the same time. Support Windows, Mac OS, iOS, and Android systems.
- *With the mirror reverse control function, users can reversely control the large screen through Android tablets/mobile phones and interact with the display screen synchronously, making work reports and classroom lectures faster and simpler.
- *It has infrared remote control and Bluetooth functions, and can be used to turn on and off the machine, switch signal sources, and scene modes.
- *It has a preset high-definition background image. When the network cable is disconnected or there is no video source signal input, the preset image can be displayed to ensure that there is no black screen and the picture is seamlessly connected.
- *Optional installation methods include wall mount bracket, floor mount bracket, and ceiling mount bracket.



Specification

Processor and storage devices	
System	Android 11 version
CPU	1.8G 64-bit quad-core processor
GPU	MaLi G52
Storage memory	32G
Running memory	4G
Technical parameters	
Display size	165 inches
Display resolution	1920*1080 pixels
Display trim size	Width 3660mm*Height 2058mm
Size including border	Width 3696mm*Height 2094mm
LED packaging	SMD1515 black light (nano black diamond screen)
Physical point spacing	1.906mm
Resolution	275295 points/m ²
Lamp beads/IC	Domestic high-quality copper wire/High refresh rate
Glowing point color combination	1R1G1B
Module resolution	160*90
Module size (mm)	305*171.5
Cabinet resolution	320*180
Box size (mm)	610*343
Box weight	≤5.5Kg/pc
Operating voltage	DC+4.2V
Optimal viewing distance	≥5.7m
Horizontal viewing angle	≥175°
Vertical viewing angle	≥175°
Maintenance method	Front maintenance
Drive devices	Constant current drive
Refresh rate	≥4200Hz
Frame rate	≥60Hz
Scanning method	45S
Brightness	200-800CD/m ²
Grayscale	12/14/16/18bit
Contrast	≥10000:1
Decay rate (three years of operation)	≤15%
Brightness adjustment method	0-100%
Mean time between failures	≥20000H
Service life	≥100000H
Noise rate	≤1/100000 and no continuous out-of-control points
Ambient temperature	Storage -35°C~+85°C
Operating temperature	-20°C~+60°C
Operating voltage (AC)	AC90-270V 50Hz/60Hz
Average power consumption of the whole machine	≤875W
Maximum power consumption of the whole machine	≤3500W
Installation box specifications	Die-cast aluminum housing
Total weight	226Kg (without mounting bracket)
Brightness uniformity	≥99%
Protection level	IP5X/IP65 (only the front of the module can reach)
Device interface	
Video interface	HDMI*1 (video input), HDMI*1 (LOOP output)
Audio port	Audio output interface*1, SPDIF optical digital audio interface*1
Functional interface	USB 3.0*1, USB 2.0*1, RJ45 (Gigabit Ethernet port), Type-C (proprietary protocol), 4P aviation plug (proprietary protocol, control switch screen)
Wireless interface	WIFI, Bluetooth, Infrared
Central control serial port	RS232 interface*1 (RJ45 type, baud rate 115200bps)