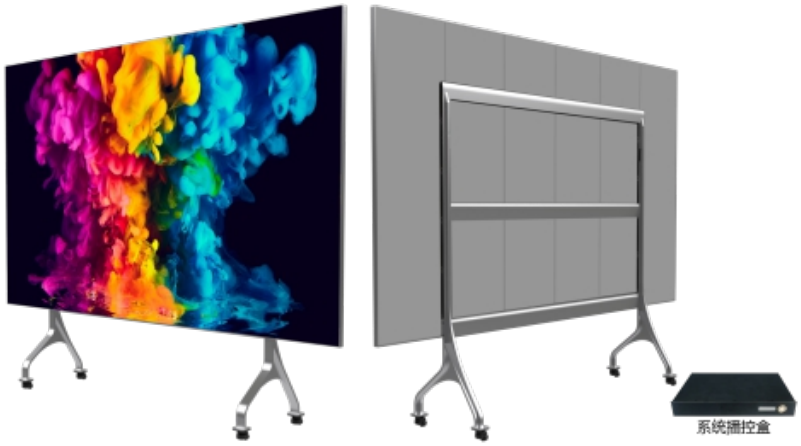
165" Interactive all-in-one LED Display

TV-W165-YZT



Description

The LED display device adopts the split design of the screen and system, with highly integrated functions, supports extremely fast 10-point touch control; it has the characteristics of long service lifespan, fast frame changing speed, high refresh rate, good uniformity, wide viewing angle, high grayscale, etc. It is widely used in lecture theatre, academic lecture halls, conference rooms in colleges and universities, and various display occasions.

Feature

* When a failure occurs, it only needs to maintain a single LED pixel or a single module, realizing low maintenance cost and fast maintenance speed.
* Adopt no “lower forehead” design and ultra-narrow frame, beautiful and elegant. The aluminum alloy frame adopts anti-collision rounded corner design for safer using.
* The screen is packaged with nano-optical composite materials, highlighting details such as deep gray and bright color spectrum. The screen is smooth, anti-static, and touchable; the overall light emission of the screen is soft, reducing the glare caused by long-term viewing, so as to improve visual comfort and experience effect.
* The screen adopts infrared touch technology, which supports multi-touch writing by multiple people. Support 10-finger simultaneous writing, with a touch resolution of up to 32767×32767, a touch accuracy of 1mm, accurate recognition, and no dead angle for full screen operation.
* With ultra-wide viewing angle, the screen has a large viewing range, and the picture is still clear when viewed from any angle. High refresh rate, good picture continuity and high fluency.
* Using bottomless design, the module is attached to the cabinet, which can evenly conduct the heat generated by the lamp beads, effectively reducing heat radiation, and proving better immersive visual experience. No fan structure, the noise of the whole machine is ≤ 10dB.
* Built-in dead pixel elimination algorithm, it can automatically identify failed lamp beads, and eliminate all caterpillar phenomenon caused by open circuit.
* The software is developed and customized based on the Android system. It has writing, browsing, sharing, and collaboration four functions. The operation is smooth and the application scenarios are rich. Built-in WPS, clock, welcome interface, calendar and other application software, and third-party APP applications can be added.
* Built-in hidden antenna (WIFI, AP, Bluetooth), network card can realize Wi-Fi wireless Internet connection and AP wireless hotspot transmission at the same time. Support bluetooth 4.0, can connect bluetooth remote control, bluetooth mouse, bluetooth keyboard, bluetooth speaker and other peripherals.
* For different conference application scenarios, it provides 4 scene modes: standard, soft, cinema, and video; you can customize and adjust the brightness, saturation, and contrast, so that document presentation, video playback, and remote conferences can all achieve the best display effect.
* Support one key to turn on the eye comfort mode to improve the viewing comfort, reduce the damage of high-energy blue light, and protect the eyes.
* As for the system in low power mode, it enters a deep sleep state; the power consumption of the machine is as low as 0.6W.

Indoor Full Color LED Video Wall

TV-W165-YZT

* Support wireless screen projection function, the external computer screen can be transmitted to the large screen through screen projection software or screen projection device, and up to four devices can be projected at the same time. Support Windows, Mac OS, iOS, and Android system.
* Support wireless counter control function of Android tablet/mobile phone, the counter-control device and the display screen are displayed synchronously and interactively, providing more vivid and simple writing interaction of reports, presentation, discussions and other scenes.
* Support wireless speech function, users can speak through Android tablet/mobile phone, and the sound can be transmitted to the professional sound system of the large screen.
* Support infrared remote control and Bluetooth function, and operations such as power on and off, signal source and scene mode switching can be performed remotely through the remote control.
* Support preset high-definition base image. When the network cable is disconnected or there is no video source signal input, the preset image can be displayed to ensure that the screen is seamlessly connected.
* Three optional installation methods: wall mounted, floor stand and hoisting.

Specification

Display size	165 inches
Display resolution	1920×1080
Display size	Width 3660mm*height 2058mm
Screen size with frame	Width 3696mm*height 2094mm
LED encapsulation	SMD1515 black light (nano magic color screen)
Pixel pitch	1.906mm
Resolution	275295 pixels/m²
Lamp bead/IC	High-quality copper wire/high fresh rate
Pixel configuration	1R1G1B
Module resolution	80*180
Module size (mm)	152.5*343
Cabinet resolution	320*180
Cabinet size (mm)	610*343
Cabinet weight	≤5.5Kg/pc
Working voltage	DC+4.2V
Best viewing distance	≥5.7m
Horizontal viewing angle	≥175°
Vertical viewing angle	≥175°
Maintenance method	Front maintenance
Drive device	Constant current drive
Refresh rate	≥3840Hz
Frame rate	≥60Hz
Scanning method	45S
Brightness	0-800CD/m²
Grayscale	12/14/16bit
Contrast	≥10000:1
Attenuation rate (after 3-year work)	≤15%
Brightness adjustment method	0-100%
MTBF	≥20000H
Lifespan	≥100000H
Failed rate	≤1/100000 and no continuous failed pixels
Storage temperature	-35℃~+85℃
Working temperature	-20℃~+60℃
Working voltage (AC)	AC90-270V 50Hz/60Hz
Average power consumption	≤1167W
Maximum power consumption	≤3500W
Cabinet material	Die-cast aluminum cabinet
Weight	226Kg (without mounting bracket)
Brightness uniformity	≥99%
Protection class	IP5X/IP65 (Only the front of the module can reach)

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Processor and storage device:

System	Android 11
CPU	1.8G 64-bit quad-core processor
GPU	MaLi G52
Storage memory	32G
Running memory	4G

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 (private protocol), 4P aviation plug (private protocol, control switch screen)
Wireless interface	WIFI, Bluetooth, infrared
Central control serial port	RS232 interface x1 (RJ45 type, baud rate 115200bps)