

# VERTEX



## INTERACTIVE MULTIMEDIA DISPLAY

IL-3756-PRO | IL-3866-PRO

**VERTEX INTERACTIVE MULTIMEDIA DISPLAY, an interactive display that delivers engaging experiences for the future of classrooms and workplaces. Powered by Android, it offers the familiar and intuitive experience of an Android display with smart apps that can be conveniently added to a customizable home screen bar.**

**It also offers AI-powered assistants that make presentations more efficient and easy.**

### Key features



#### AI-Powered

AI for quick assistance, visual search, multilingual subtitles, and secured access.



#### Integrated Camera & Microphone

Equipped with a built-in 50M pixel camera and an 8-array microphone for superior video conferencing and audio clarity.



#### Immersive Visuals

Enjoy stunning 4K Ultra HD resolution and a default brightness of 590 nits. The 3mm anti-glare tempered glass and Zero bonding GEN2 technology reduce reflections and enhance clarity.



#### Interactive Touch

Supports up to 50 touch points with high-precision infrared touch technology. The low writing height of 1mm, anti-palm touch, and dual-pen, dual-color functionality provide an excellent interactive experience.



#### Sleek & Modern Design

Features an ultra-narrow frame design and a sleek, simple appearance. It includes a special magnetic position for two anti-bacterial styluses



#### Powerful Performance

Powered by an Android 14 operating system with a default configuration of 8G RAM and 128G ROM



*Built-in 50M Camera & 8 Array Microphone*



*Left and right border: width <math>< 15\text{mm}</math>*

*Front sound, 2.0 channel*

*Pen magnetic position*

*Buttons, remote control, light sensing  
Rich front interface*

## Product feature

- Ultra-narrow frame design, modular audio and video integration design, simple appearance.
- With a special pen adsorption position, support two stylus magnetic adsorption.
- Zero bonding GEN2, Low parallax writing.
- 3mm anti-glare tempered glass, effectively reduce screen reflection, improve display clarity.
- 4K Ultra HD display, support full channel 4K UI.
- Support 590 nits highlight display, 20% power consumption, built-in light detection, intelligent adjustment of screen display brightness, energy saving eye protection.
- The backlight adopts DC dimming technology to take photos and record video without flicker, reduce the time to watch eye fatigue, and protect eye health display.
- Support software low blue light, reduce the proportion of harmful blue light, improve the viewer's eye comfort
- The default 8G+128G, built-in Android 14 operating system, compatible with extended Windows system.
- Two front-facing and two on-board USB3.0 channels can be switched with the channel.
- Supports wireless screen transfer.
- Support up to 50 touch points,  $\pm 1\text{mm}$  high-precision infrared touch technology, to meet the needs of multi-person interaction and collaboration scenario.
- 1mm low writing height, anti-palm touch, board erase recognition, dual pen dual color bring good interactive experience.
- In standby state, support HDMI/RS232/ network signal input intelligent wake-up.
- Support Android and OPS are 1000M networks.
- Support network sharing, external devices connected to the TOUCH interface to share a large screen wired network.
- Pluggable wireless module: Support Wi-Fi6, dual-band 2.4G/5G, AP+STA working mode, Bluetooth 5.2
- Built-in 8 array MAI, built-in intelligent noise reduction, human voice gain, reverberation suppression, echo cancellation and other AI functions.
- Built-in 50M pixel camera, support 3A function (AF, AE, AWB).
- AI functions such as Autoframing and speak tracking are supported.

## Product specification description

- Size : 75/86
- Android 14
- Support for Google EDLA certification
- Overall brightness : Default mode 590nit(TYP), 20% power consumption
- Normal color gamut : 72%-NTSC; No stroboscopic; Software low blue light
- Infrared touch : 50 touch.
- Zero bonding GEN2, 3mm anti-glare tempered glass
- 2.0 channel, speaker in front of lower frame
- 18W x 2 speaker.
- Built-in 50M pixel camera & 8 array microphone
- Supports AI functions such as sound source positioning, Autoframing, 4K photography, camera, picture superdivision, multi-mode recognition, and soon
- Intelligent noise reduction, gain control, echo cancellation, reverberation suppression
- Sensor : Light sense
- Gigabit Network (Dual network port)
- Antibacterial pen
- Swappable wireless module: SI07B (WiFi6, BT5.2)

## AI-Powered



### Circle & Go

Discover relevant information for any circled content, from images to Wikipedia. Easily explore the world through visuals.



### Ask AI

Instant and accurate answers to voice or keyboard input.



### Live Subtitle

Generate live subtitles from any video, no matter local or online, even with multilingual translation.



### Video Pilot

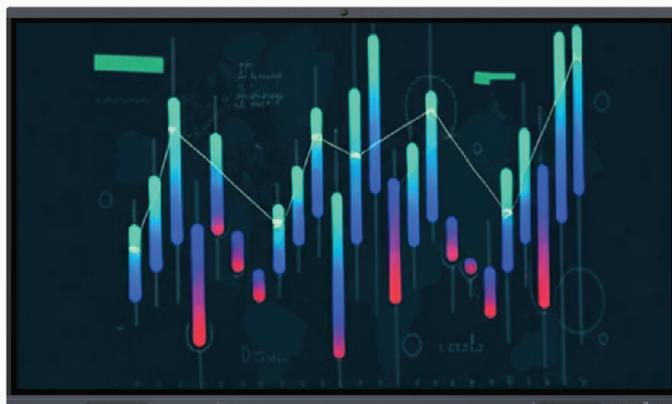
Generate navigational video chapters and summarize for you. Effortless navigation, efficient comprehending.



### Calculator Pro

A handy, smart tool designed to make your life easier! Whether you're doing basic math, converting units, or checking currency rates, this versatile app is here to help. All in an easy-to-use interface.

## Connect



The computer can access to the Built-in Camera/Mic,Built-in speaker;



## Specifications

Display Characteristics		System scheme	
Size	75/86	System	Android 14.0
Backlight	Direct LED (D-LED)	CPU	A72 x4 + A53 x4
Resolution	3840 x 2160 (4K)	RAM/ROM	8G+128G
Contrast Ratio	5000:1	UI	4K
NTSC	72%	Network sharing	Yes, Android/PC:1000M
Brightness with glass (typ)	590 nits	Speakers	2x18W
Touch Scheme		Wireless scheme	SI07B (WiFi 6)
Sensing Type	IR	Light sensor	Yes
Bonding	Zero Bonding Gen 2	Remote Control	Yes
Accuracy	±1mm	Power Requirements	90~264V/47~63Hz
Touch point	Windows : 50 points, Android : 32 points	I/O interfaces and functions	
Minimum Object Size (Passive pen)	2mm	USB 2.0	Rear x1
Touch Height	1mm	USB 3.0	x4 (Front x2 + Rear x2)
Glass thickness	3mm anti-glare tempered glass	USB Type C	x2 (Front x1 + Rear x1)
Palm rejection	YES	Touch Out Type-B (USB3.0)	x2 (Front x1 + Rear x1)
Writing	2 pcs (Anti-bacterial)	HDMI OUT	x1
Camera & Microphone		HDMI IN	x3 (Front x1 + Rear x2)
Camera	Pixel	DP IN	x1
	H-FOV	VGA IN	x1
	3A function	RJ45 IN	x1 (10/100/1000Mbps)
	Autoframing	RJ45 OUT	x1 (10/100/1000Mbps)
	Speaker Tracking	PC AUDIO IN (3.5mm)	x1
MIC	Quantity	AUDIO OUT (3.5mm)	x1
	Distance of a pickup	RS232	x1
	Pickup Angle	SPDIF	x1
	Intelligence algorithm	TF	x1
		WIFI module slot	x1
Optional PC Module		In	MIC x1 / RJ45 x1
CPU	Intel Core i7	Output	HDMI x1 / DP x1 / USB-C x 1 / Line Out x1
Ram	8GB	USB	USB-A 3.0 x 4
Storage	SSD 256GB		
Operation System	Windows 11 PRO 64bit		

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