Riotouch

More Interactive



AI-POWERED CLASSROOM & CONFERENCING SOLUTIONS

Riotouch Interactive Display Panel - RK3576

AI-Ready Smart Displays for Education, Business & Public Spaces





Google EDLA Certified

Enterprise-grade security, native Google ecosystem support, and long-term system update commitment.



AI-Native Platform

Built-in NPU up to 6 TOPS, enabling real-time AI teaching tools, voice control, content summarization, and intelligent interaction.



All-in-One Ecosystem

Integrated UMind whiteboard, UFile management, cloud platform, MDM remote control, and customizable brand interfaces.

EDLA Android 15 CE RoHS FC ISO

Software & AI Ecosystem

UMind AI Whiteboard

- AI-assisted lesson preparation: generate outlines, quizzes, and interactive content from keywords.
- Smart teaching tools: shape/formula recognition, math graphing, split-screen comparison, and real-time student engagement tools.
- Multi-language support: live translation, speech-to-text, and text-to-speech.





UFile Smart File Management

- Open 20+ file formats directly: PPT, Word, Excel, PDF, CAD, SVG, PSD, OBJ, and more.
- AI auto-tagging and classification for quick search and retrieval.
- Cloud integration: OneDrive, Google Drive, plus 5 GB free Riotouch cloud storage.

AI Assistant

- Voice-controlled app launching, source switching, and file searching.
- Auto-generated meeting and lesson summaries from whiteboard content.
- Post-class Q&A interaction with student performance tracking.

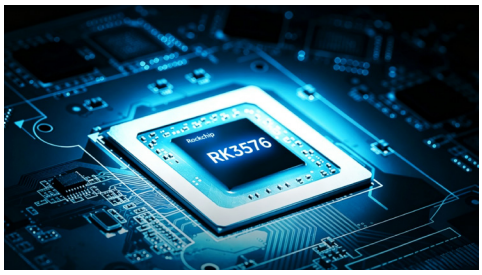




Riotouch Cloud Management Platform

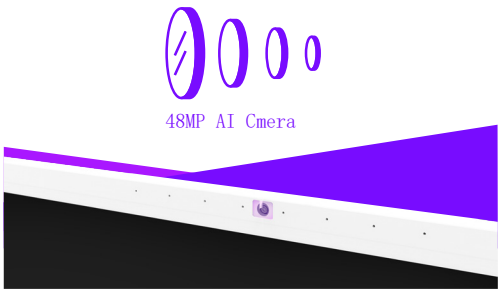
- Five-tier account system: dealers, administrators, teachers, parents, and students.
- Remote device management: OTA updates, app distribution, and real-time status monitoring.
- School pickup system with AI-based identity verification and security alerts.

Premium Hardware for Reliable Performance



AI Computing Core

Rockchip RK3576 octa-core processor with 6 TOPS NPU, supporting on-device AI processing with low latency.



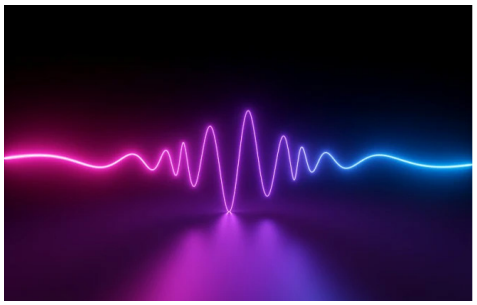
48 MP AI Camera + 8-Mic Array

Optional ultra-HD camera with auto-framing and speaker tracking, combined with 8 noise-canceling microphones for clear audio in any environment.



Dual-Band Wi-Fi 6 & 5

Simultaneous dual Wi-Fi support ensures stable connectivity for screen sharing, online resources, and video conferencing.

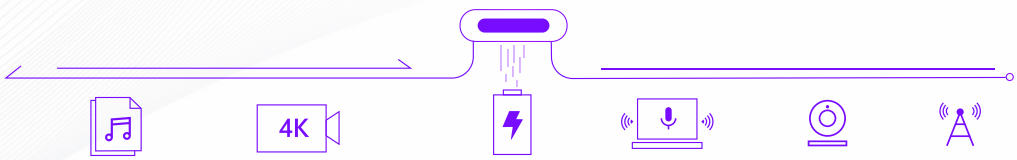


Enhanced Audio System

2 × 20 W high-performance speakers + 20 W subwoofer (optional) deliver immersive sound for classrooms and meeting rooms.

Front I/O Highlights

Full-function USB-C (65W – 100W PD, data, video) | HDMI In | USB 3.0 × 3 | Touch USB



Application Scenarios



Smart Classroom

Interactive lessons, group collaboration, instant assessment, and AI-powered teaching assistance.



Public Display & Digital Signage

4K visual impact, multi-screen support, and centralized content management.



Hybrid Meeting Room

Wireless presentation, remote participation, real-time annotation, and clear audio-visual experience.



Smart Medical Ward

Real-time queuing notice, health popularization broadcast, remote expert consultation, multi-lingual information display.

Customization



Appearance Customization

Bezel color, logo placement, and overall aesthetic tailored to your brand identity.



Software UI Customization

Custom boot animation, pre-loaded apps, and personalized launcher interface.



Feature Configuration

Hardware options (camera, subwoofer, RAM/ROM) and software module selection based on your needs.

Hello@riotouch.com

www.riotouch.com

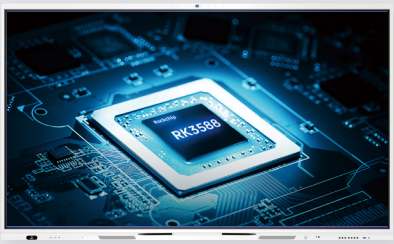
RK3588

65” 75” 86” 98” 105” 110”

High-Performance,meet Interaction

RK3588 interactive screen – Innovating learning and collaboration, redefining technology for education and business





Best Performance Interactive Screen For Education And Business



4K Resolution With Immense Picture Quality



Touch

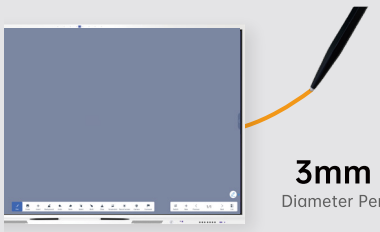
Up to 40 points of touch

8Array Microphones with speaker tracking



Display multiple devices on the same screen



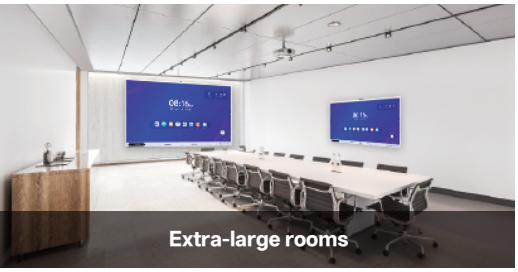


3mm
Diameter Pen

Type-C Versatile Connectivity



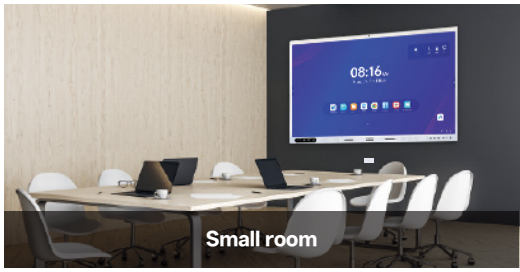
Naturally Smooth Writing with Digital Accuracy Palm Rejection



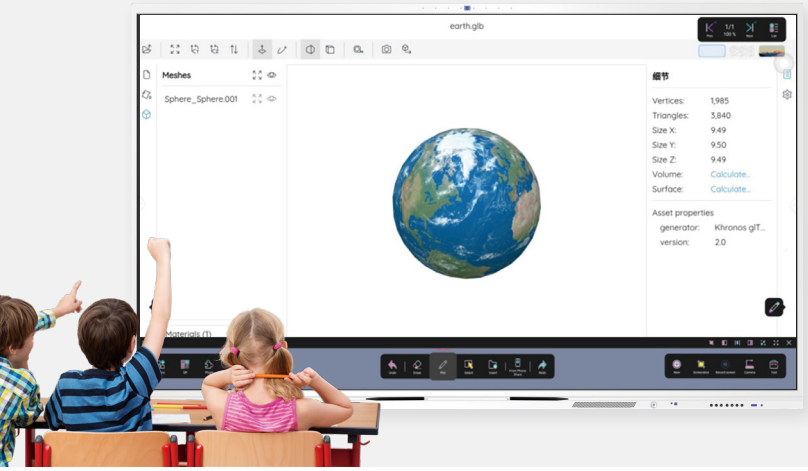
Extra-large rooms



Medium/Large Room



Small room



PHET

Periodic table

Courseware

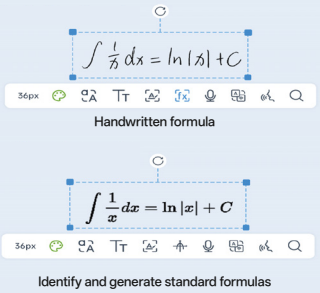
3D Periodic table

Ignite Learning with RK3588 – Where Every Subject Shines

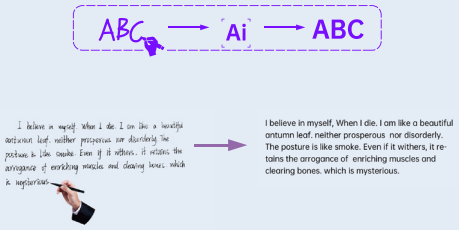
PhET Interactive Simulations – Your gateway to a world of science and math, now powered by RK3588.

PHYSICS | CHEMISTRY | MATH | EARTH SCIENCE | BIOLOGY | STEM

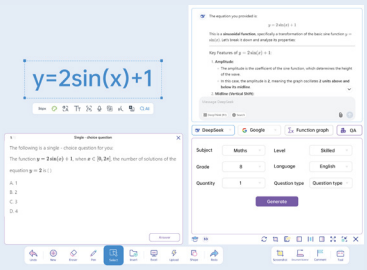
Umind the whiteboard software—Math pen



Transform Your Writing with Umind Advanced AI Pen



Generative Educational AI



Parameters of RK3588

Display

Model	LT65RK3588	LT75RK3588	LT86RK3588	LT98RK3588	LT105RK3588	LT110RK3588
Diagonal display size	65(inch)	75(inch)	86(inch)	98(inch)	105(inch)	110(inch)
Resolution	3840*2160	3840*2160	3840*2160	3840*2160	5120*2160	3840*2160
Aspect Ratio	16:9	16:9	16:9	16:9	21:9	16:9
Contrast Ratio	1200:1 (type)	1200:1 (type)	1200:1 (type)	1200:1 (type)	4000:1 (type)	1200:1 (type)
Dynamic Contrast Ratio	4000:1	4000:1	4000:1	9500:1	14000:1	4000:1
Brightness	400cd/m2	400cd/m2	400cd/m2	480cd/m2	480cd/m2	400cd/m2
Color depth	1.07 billion colors	1.07 billion colors	1.07 billion colors	1.07 billion colors	1.07 billion colors	1.07 billion colors

Central

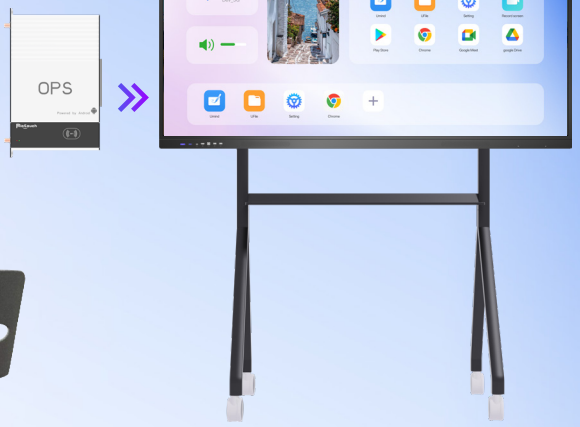
Android Version	Android 15.0	Android 15.0	Android 15.0	Android 15.0	Android 15.0	Android 15.0
Chip	Rockchip RK3588	Rockchip RK3588	Rockchip RK3588	Rockchip RK3588	Rockchip RK3588	Rockchip RK3588
CPU	Quad-core Cortex-A76 and quad-core Cortex-A55, up to 2.4GHz					
GPU	Mali-G610 MC4	Mali-G610 MC4	Mali-G610 MC4	Mali-G610 MC4	Mali-G610 MC4	Mali-G610 MC4
RAM	16GB 32GB DDR4	16GB 32GB DDR4	16GB 32GB DDR4	16GB 32GB DDR4	16GB 32GB DDR4	16GB 32GB DDR4
Flash	256GB 512GB	256GB 512GB	256GB 512GB	256GB 512GB	256GB 512GB	256GB 512GB

Aether Orb · Android OPS · AI Box

The AI Brain for Smart Screen

Plug into the Future of Intelligent Collaboration & Learning. One Module, Limitless Possibilities.







Lesson



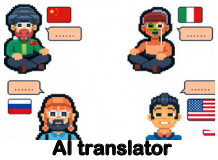
Q&A



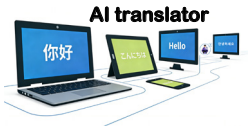
Knowledge Library



Presentation



Meeting



Multi-Users
Multi-Displays



16* Screen Sharing



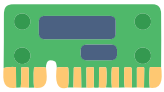
Wireless File Transfer



DMS / MDM



RK3588 / RK3576
Interchangeable Options



RAM: 8GB / 16GB DDR
eMMC: 128GB / 256GB



Google EDLA
Certified OS

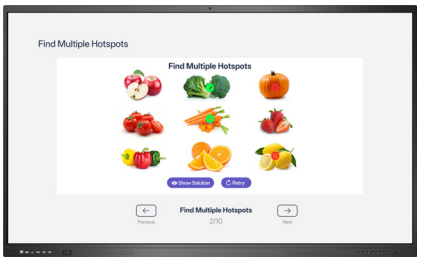


Android 15 / 16



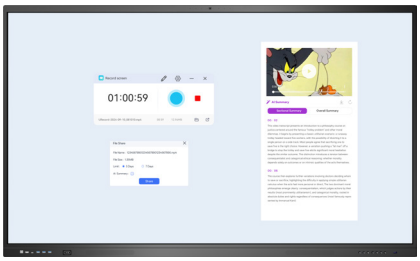
80 Pin OPS Slot

AI-Powered Content & Engagement



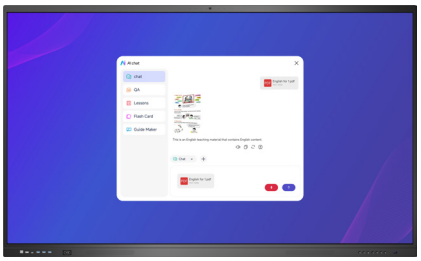
AI Lesson Generation

Automatically generate interactive courses, Q&A sessions, and gamified challenges



Intelligent Analysis

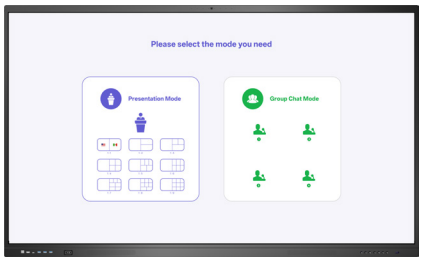
AI-powered screen recording review and dialogue insights



AI Knowledge Library

Contextual AI knowledge base and interactive dialogue support

AI Real-Time Translation Package



Presentation Mode

Live AI translation for speeches, supporting 16+ languages



Discussion Mode

Multi-participant, multi-language real-time translation



Extended Multi-Screen Translation

Scale AI translation across multiple displays or mobile devices

Ultimate Collaboration Experience



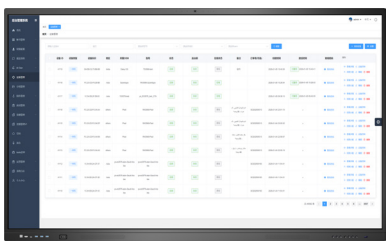
Massive Screen Sharing

16+ simultaneous screen shares



Universal File Upload

Text, images, videos, and files can be sent from any device.



Centralized Cloud Management

Remote monitoring, control, and group management

Portable Console Powerful PC for Your Requirements

Pluggable OPS PC Module

Conference&Education Interactive Flat Panel / Interactive White

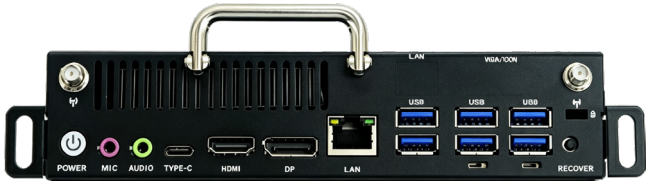


Product Features

- Core i3/i5/7
- 10th, 11th, 12th, 13th, 14th Generation
- RAM:8GB/16GB/32GB
- Storage: 256GB/512GB/1T



EU OPS

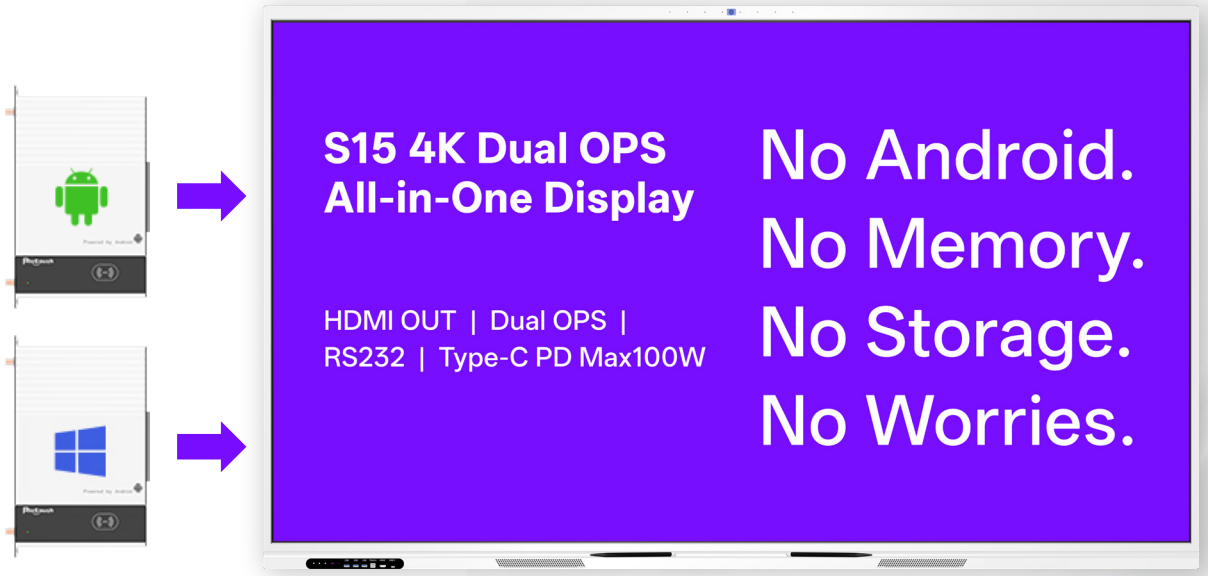


OPS-C

S15 4K Dual OPS All-in-One Display

Ultimate Cost-Effectiveness · High Integration · Dual OPS Expansion · Full-Featured Type-C

65” 75” 86” 98”



Are you facing these challenges?

DDR/EMC price hikes squeeze complete-machine margins.

Unstable supply chain risks delivery timelines.

Market homogenization fuels price wars.

Upgraded customer demands require more functions & convenience.

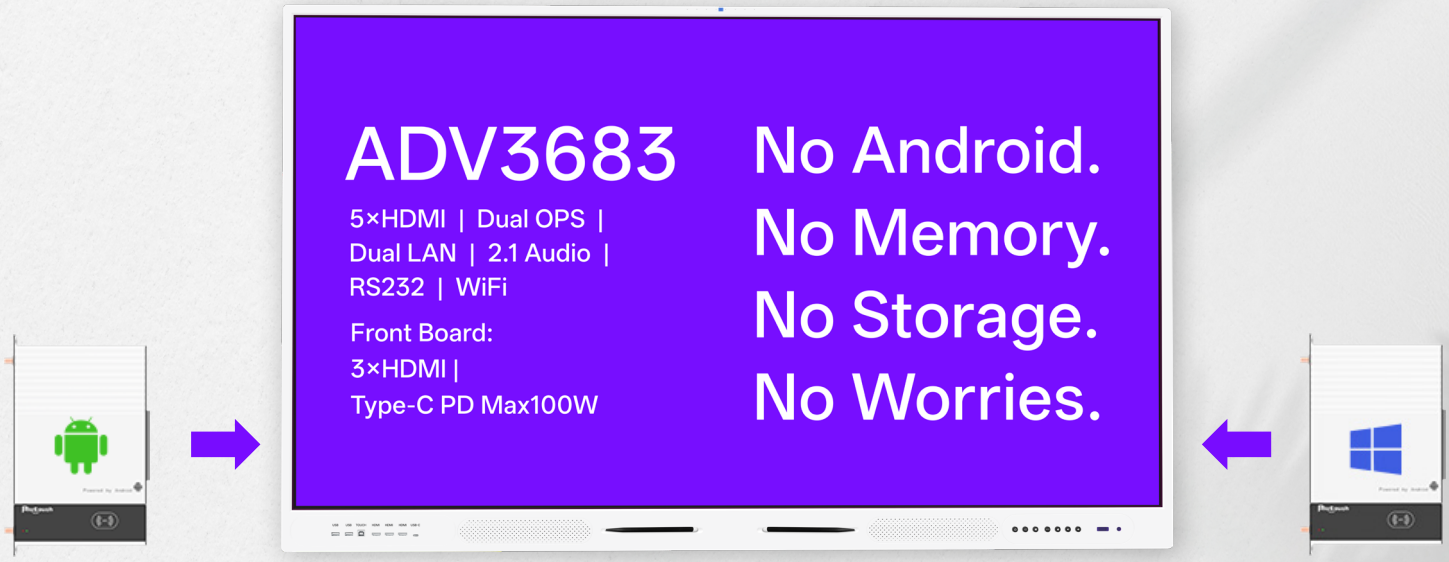
S15 4K Dual OPS All-in-One Display

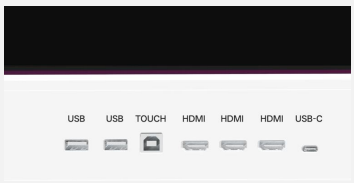
Ultimate Cost-Effectiveness - 40% Direct Cost Reduction, Greater Profit Margin

ADV3683

Smart Conference &Teaching All-in-One Display

65” 75” 86”





5 HDMI Ports + Multi-Function Front Panel

Multi HDMI
Multi-Function Front



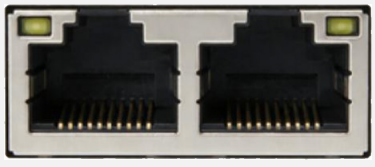
Dual OPS Interfaces

Dual OPS for seamless dual-system switching



2.1-Channel Immersive Audio

2.1-Channel Audio
Hear the Difference



Dual RJ45 Ethernet Ports

Unprecedented Connectivity



Built-in WiFi

No external USB network adapter required



Ambient Light Sensor + Serial Port Central Control

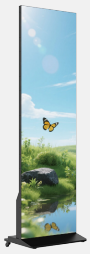
RS232 for Unified Central Control System Management

LED Poster

Size —— 70”/83” Optional

LED Poster with HD display and seamless splicing.
Easy to install and maintain. Ideal for commercial streets, shopping malls, offices, exhibition halls, libraries and more.

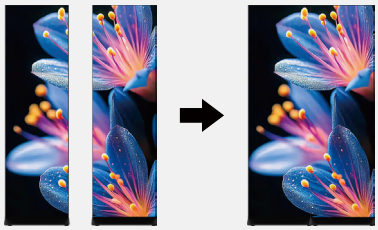




COB HD Display
P1.25 Fine Pixel, 3840Hz High Refresh, 160° Wide View



70/83-inch dual size options
vertical integrated design, easy installation and maintenance



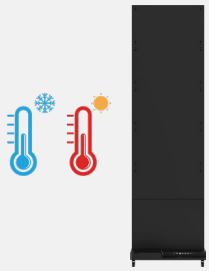
Seamless Splicing
HD & Continuous, Scenario-Adapted



Full Interface Coverage
HDMI/USB/Type-C/RS232 Full Setup



High Precision（Optional）
High Precision, Ultra-Fast Response



0℃~38℃
Wide operating temp 0℃~38℃, Stable for commercial environments

Application Scenarios



Exhibition Hall



Office



Library



Shopping Mall

Specifications

Screen Size	70” / 83” Optional
Display Tech	COB Packaging, P1.25 Pixel Pitch
Brightness	600cd/m²
Contrast	5000:1 High Contrast
Refresh Rate	3840Hz, 160° Ultra-Wide Viewing Angle
Touch	Optional 10-Point Infrared Touch, 2-8ms Fast Response
I/O	Full Configuration (HDMI/USB/Type-C/RS232)
Lifespan	50,000 Hours Ultra-Long Service Life
Power	Standby Power≤0.5W； Total Power≤30W
Expansion	AI Box/OPS PC (2-in-1 Optional)

55" COB Standard Display Unit

Plug & Play · Seamless Upgrade · Superior Visuals



Next-generation consumer-grade COB LED display panel in the golden 55-inch size. Direct HDMI input – no LED sender box required. VESA-compatible mounting enables easy replacement of existing LCD video walls, delivering a seamless leap from LCD to LED.

HDMI Plug & Play

No sender box – auto display up to 2K, as easy as a TV

55" Standard Size

16:9 ratio, 1K resolution, easy 4K/8K tiling

VESA Mount Compatible

Fits 600×400mm mounts – direct replacement for LCD walls

COB Common Cathode

12000:1 contrast, 170° wide viewing, IP5X protection





Professional Grade · Built for Reliability

Parameter	Value
Pixel Pitch	1.26 mm
Pixel Density	629,882 dots/m²
Brightness	450 cd/m² (adjustable)
Contrast Ratio	12000:1
Refresh Rate	≥3840 Hz
Viewing Angle	170°/170°
Power (Max/Avg)	240 / 60 W/m²
Maintenance	Front access
Lifespan	100,000 hours
Mounting	VESA / corner fixing

* Operating temp: -10°C to 45°C
* Certifications: CCC, CQC Energy-saving
* No backpack option – ultra-thin wall mount (35mm)



Corporate Conference

Replace LCD video wall – borderless, bright, remote ready



Education / Training

Eye-friendly, wide angle, stable long hours

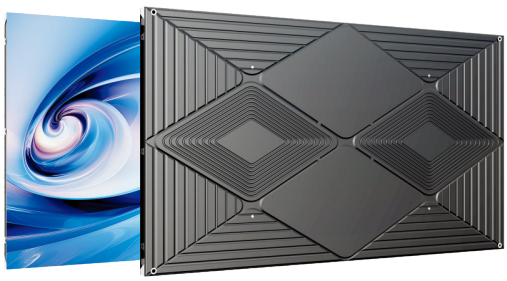


Control Room / Showroom

High contrast, fine detail, quick deployment

OEM Value Proposition (Highlighting You)

We supply fully tested AT55-COB display units with:



- ★ Your brand logo & packaging
- ★ Standard V1.0 (backpack) / V1.1 (no backpack) options
- ★ Front-serviceable structure for easy after-sales
- ★ Long-term supply & technical support

Partner with us today – request samples and custom OEM solutions.

Smart LED | OEM | ODM

Make Every Word Count

LED 108 “136” 163”



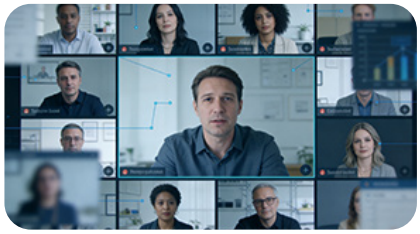
Intelligent meeting ecosystem: AI director, multilingual translation,
smart check-in, wireless collaboration, remote conferencing, intelligent O&M.

What’s Bothering You?



Can’t understand or interject in cross-border meetings

Real-time multilingual translation, breaking language barriers



Can’t see who’s speaking in remote meetings

AI smart director, auto-captures speaker’s view



Time-consuming and laborious post-meeting minute-taking

Smart speech-to-text, auto-generates structured minutes



Still looking for a USB drive to share files

Wireless collaboration, one-click multi-device casting



Constant screen switching during proposal comparisons

Screen collaboration, synchronized multi-screen content switch



IT managers worry about difficult equipment maintenance

Intelligent O&M, auto-fault alerts, remote one-click repair

Eight Core Features · Make Every Word Count



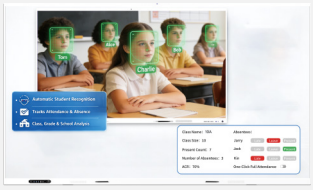
Simultaneous Interpretation

Real-time translation,
AI minutes, mobile text sync.



AI Smart Director

Voice tracking, auto close-up,
AI gesture view switching.



Smart Check-in

Mobile check-in, instant stats,
anti-proxy facial recognition.



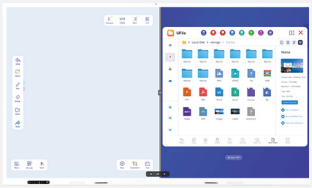
Conference Live Streaming

HD live streaming,
multi-terminal sync viewing.



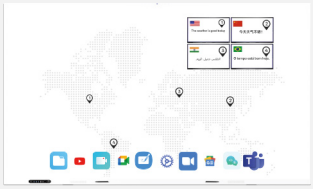
Wireless Collaboration Ecosystem

QR file transfer, mobile keyboard,
16-channel casting, BYOM.



Split-Screen Collaboration

Split-screen, cross-screen drag-and-drop,
multi-source comparison.



Remote Conference Collaboration

One-click meetings, remote sync,
platform & OA integration.



Intelligent O&M

Remote monitoring, fault alerts,
OTA silent upgrade.

Specifications

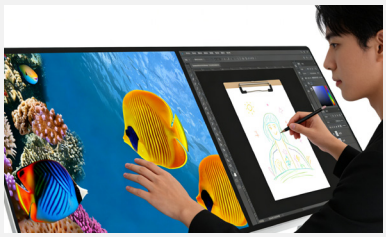
Screen Size	Optional 108 / 136" / 163" / Custom Size
Display Technology	COB
Screen Type	LED
Touch Technology	Infrared Touch
Operating System	Windows 10/11,Android
Meeting Ecosystem	Tencent Meeting Rooms/Zoom Rooms/Microsoft Teams Rooms certification optional
O&M Management	Cloud device monitoring, OTA upgrade,batch deployment
Installation	Wall-mounted / Stand / Embedded (Optional)
Core Features	Translation, AI Director, Check-in, Wireless Casting, Remote Conferencing, Split-Screen Interaction, Intelligent O&M



Height-Adjustable Touch Table

TH”43 / ”55

TH43"/55": All-in-one intelligent interactive terminal. HD display, precise touch, flexible height adjustment. Advanced display + ergonomic design for efficient, convenient interaction. Boosts productivity in offices, classrooms, and meetings.



Precise Touch Control

10-Point Capacitive Touch



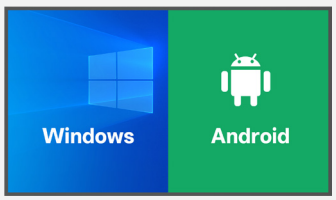
Flexible Height Adjustment

640-1290mm Height Range



Adjustable Tilt Angle

Flexible Viewing Angles for Multiple Scenarios



Windows / Android

Seamless Dual-System Compatibility



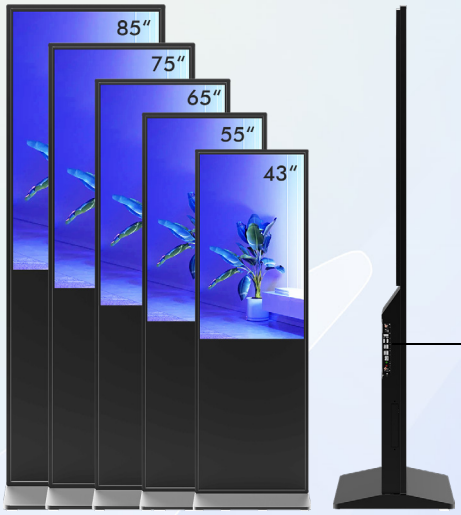
4K Ultra HD Resolution

3840×2160 resolution delivers crisp, immersive detail.



Powerful Performance

RK3576 Octa-Core Processor (Optional)



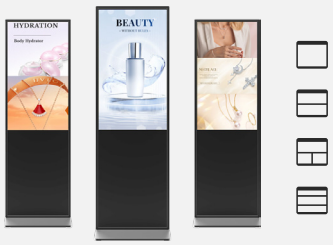
Digital Signage Kiosk

43"55"65"75"85"

USB | USB-C | HDMI | RJ45 IN | Audio(IN/OUT)

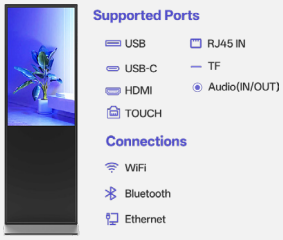
- EDLA — Google EDLA Certified
- Up to 40 Points of Touch
- Up to 40 Points of Touch
- 4K — Supports 2K/4K
- Android 13
- Mohs tempered glass level 7

Seamless WiFi & Windows Integration | Ultimate Solution for Advertising, Wayfinding, Entertainment & Corporate Display



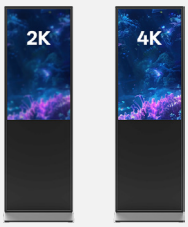
Digital Display

Multi-Zone Display
Maximize Ad Impact



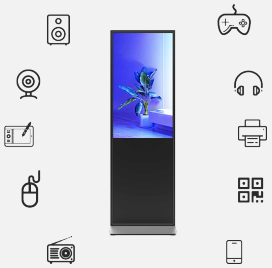
Indoor Advertising Display

Wi-Fi / Ethernet / HDMI /
USB Plug & Play



4K UHD Visuals

Vibrant Colors
Crystal-Clear Clarity



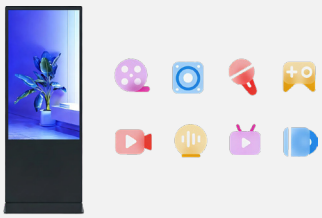
All-in-One Digital Signage

Supports audio, video, touch control
multi-device connectivity for all scenarios



Wayfinding Kiosk

40-Point Infrared Touch
Seamless Multi-User Interaction



Multi-content Management System

Unlimited Format Support
Seamless Media Integration



Indoor LED Front Desk Screen Technical Specifications

800×450×1115mm

P1.25 / P1.538 / P1.86 / P2 / P2.5



LED Outdoor Poster Display

480mmx960mm

P1.538 / P1.86 / P2 / P2.5 / P3.076



Indoor LED Product Display Stand

320x800mm*4

P1.25 / P1.538 / P1.86 / P2 / P2.5



LED Indoor Podium Screen

480x960mm

P1.25 / P1.538 / P1.86 / P2 / P2.5



Front screen cabinet

1675x585x1115mm

P1.25 / P1.538 / P1.86 / P2 / P2.5

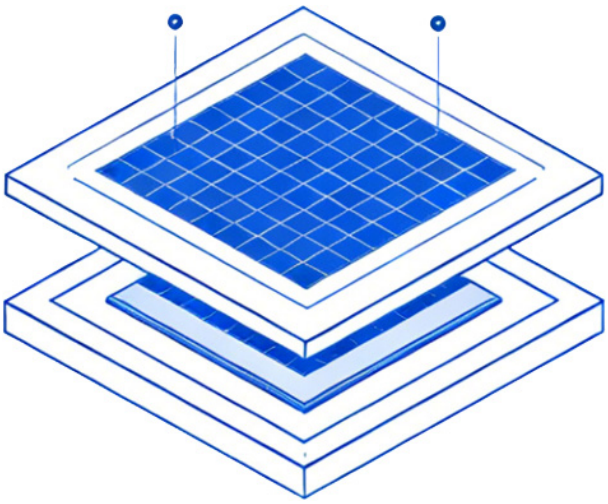
Ultra HD Outdoor Display

Multiple Pixel Pitch
Options Available

4000-5500cd Ultra
High Outdoor Brightness

3840/7680Hz
Ultra High Refresh Rate

14-16Bit High Gray
Scale Color Restoration

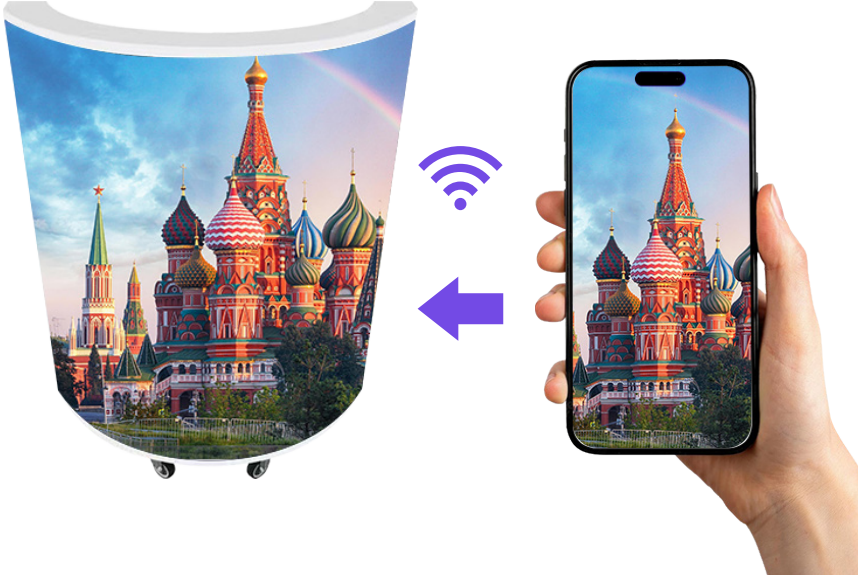


GOB Coated Anti-Damage Lamp Bead Technology

Equipped with 1010/1415 lamp beads and GOB coating, anti-collision, moisture-proof and anti-oxidation, greatly reduce dead pixel failure and cut after-sales cost outdoors.

Wireless Content Update via Mobile APP

Dedicated mobile APP supports wireless upload of posters, videos and promotions without PC, one-click update for new arrivals and holiday campaigns anytime.



Brief the class.Train the team. Run the classroom.

TeacherDoc is a 27″ or 32″ desktop digital podium that stands exactly where the lectern stands. It faces the people in the classroom, keeps the lesson, the computing and the classroom control on one screen — and its 80-pin OPS slot lets you upgrade the PC without replacing the screen.

27"/ 32"
Two screen sizes, one podium

4K UHD
3840 x 2160 on both sizes

80-pin OPS
Upgrade the PC, keep the TeacherDoc



Flexible computing options
80-pin OPS slot: Windows, Android or our AetherOrb AI Box.

Classroom control built in
Display & projector, lighting, curtains, air conditioning, camera, bell & broadcast.

Upgrade the PC, keep the TeacherDoc
Swap the computing module in minutes; the screen stays.

One podium, three jobs
Briefings, training and classroom operations.

27" or 32", both 4K UHD
3840 × 2160 on either panel size.

Sized for a lectern
Stands in the footprint of the lectern it replaces — no rebuild.

Write on it, with a pen or finger
10-point multi-touch with a precision stylus.

Moves with the timetable
Optional 12V battery pack and a padded carry case.

Riotouch | www.riotouch.com



BLACK BURGUNDY MINT WHITE GREY

Professional Grade · Built for Reliability

Parameter	Value
CPU	RK3576 Quad-core Cortex-A72 and Quad-core Cortex-A53
RAM	4GB (Optional 8GB)
Internal memory	64GB (Optional 128GB)
Operation system	Android / Windows
Panel Size	27” 32”
Resolution	3840*2160px
Color Depth	1.07 billion colors
Touch	40-point Multi-Touch (Windows only)
Battery pack capacity	12V/12000mAh
OPS Interface	80-pin OPS Slot (Support Windows & Android OPS)

Riotouch

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