

Smart LED | OEM | ODM

Riotouch
More Interactive

Make Every Word Count

LED 108 "136" 163"



An intelligent meeting ecosystem integrating AI director, multilingual translation, smart check-in, wireless collaboration, remote conferencing, and intelligent O&M. Every word is fully covered from expression to understanding, from recording to precipitation.

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 switching



IT managers worry about difficult equipment maintenance

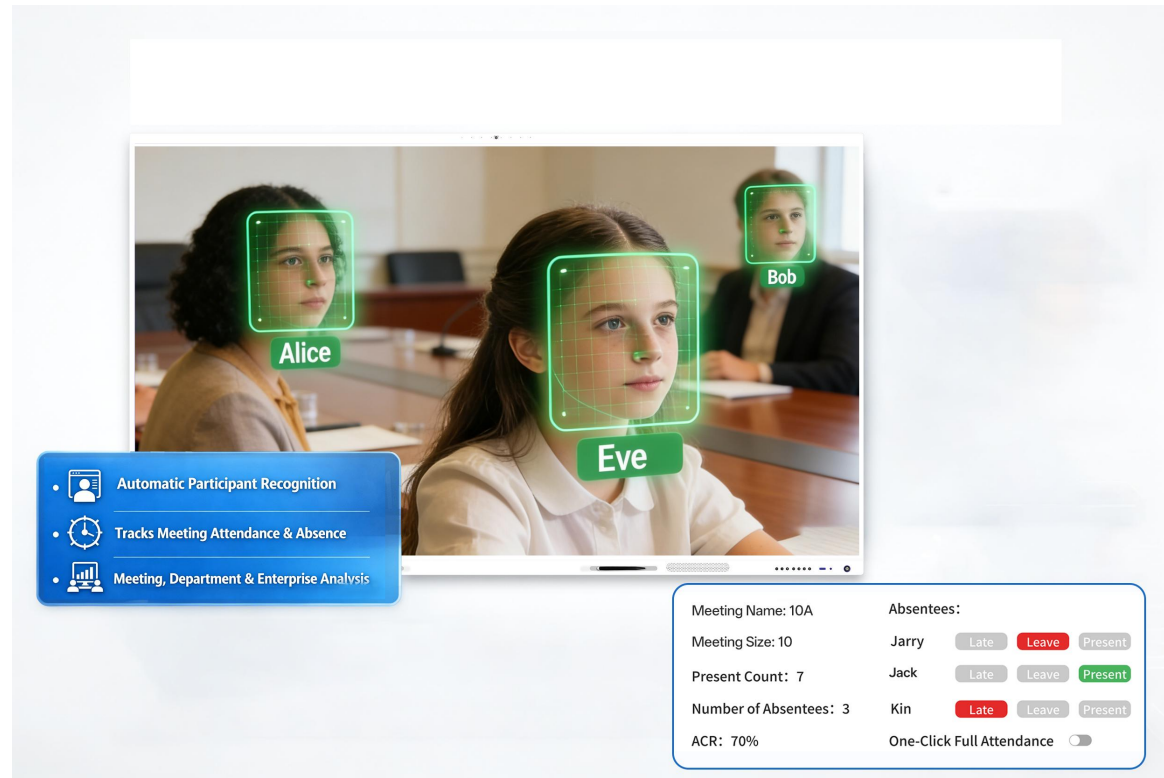
Intelligent O&M, auto-fault alerts,
remote one-click repair



Contents

Meeting Functions

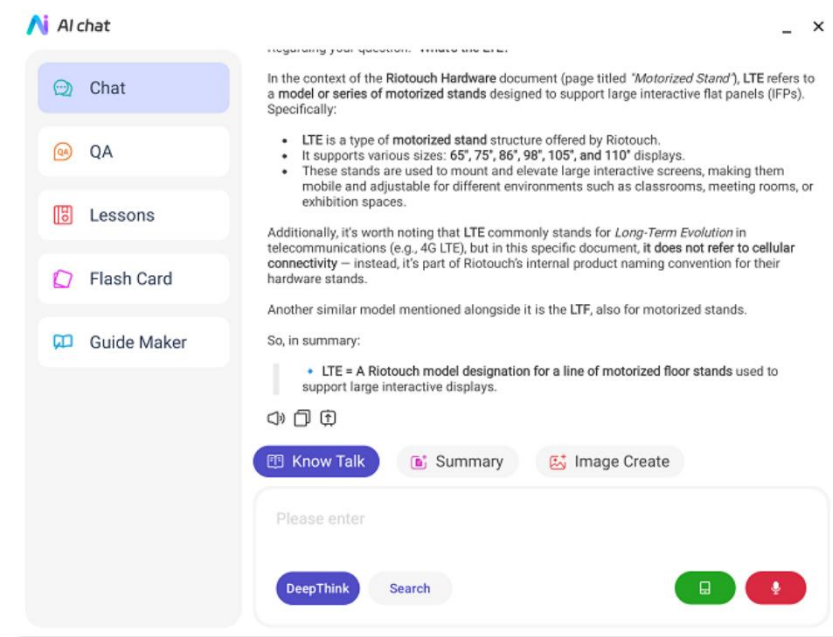
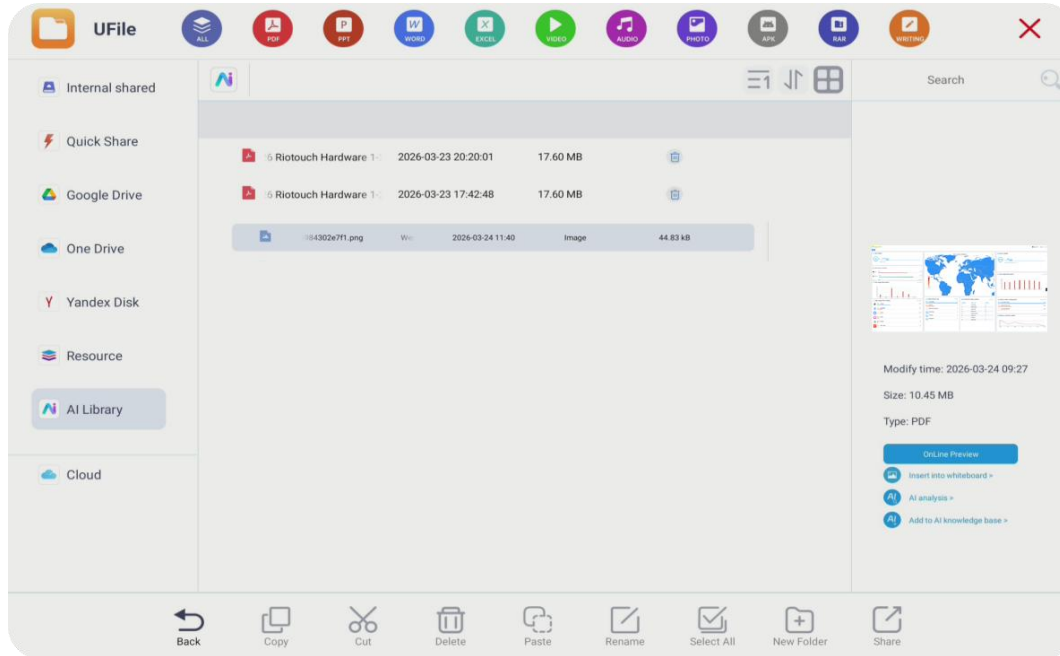
VisionRoll



Just upload meeting documents, and you can ask questions anytime. It will find answers from the materials like a real person, so you don't have to search manually.

- **Face Recognition Sign-in**
- **Real-time Statistics**
- **Abnormal Alert**

Create a learning conference assistant



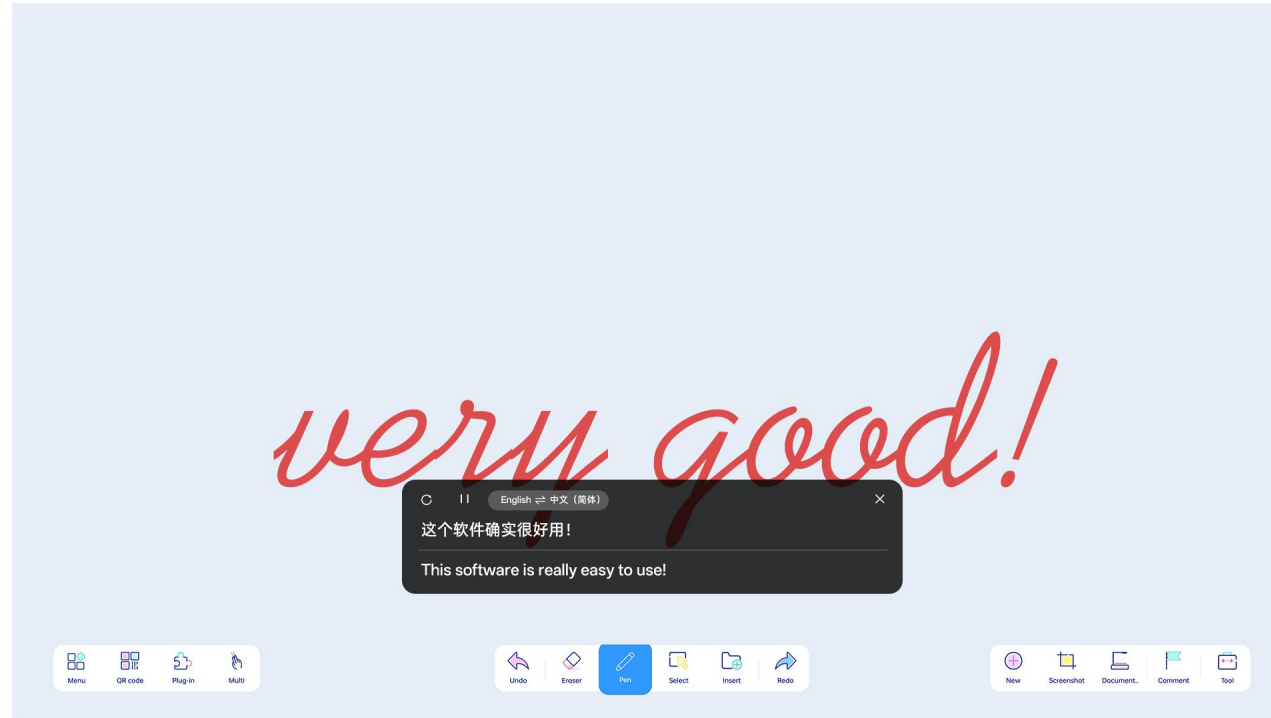
Just upload meeting documents, and you can ask questions anytime.
It will find answers from the materials like a real person, so you don't have to search manually.

AI Camera – Intelligent Gallery Mode | Auto framing | Voice tracking



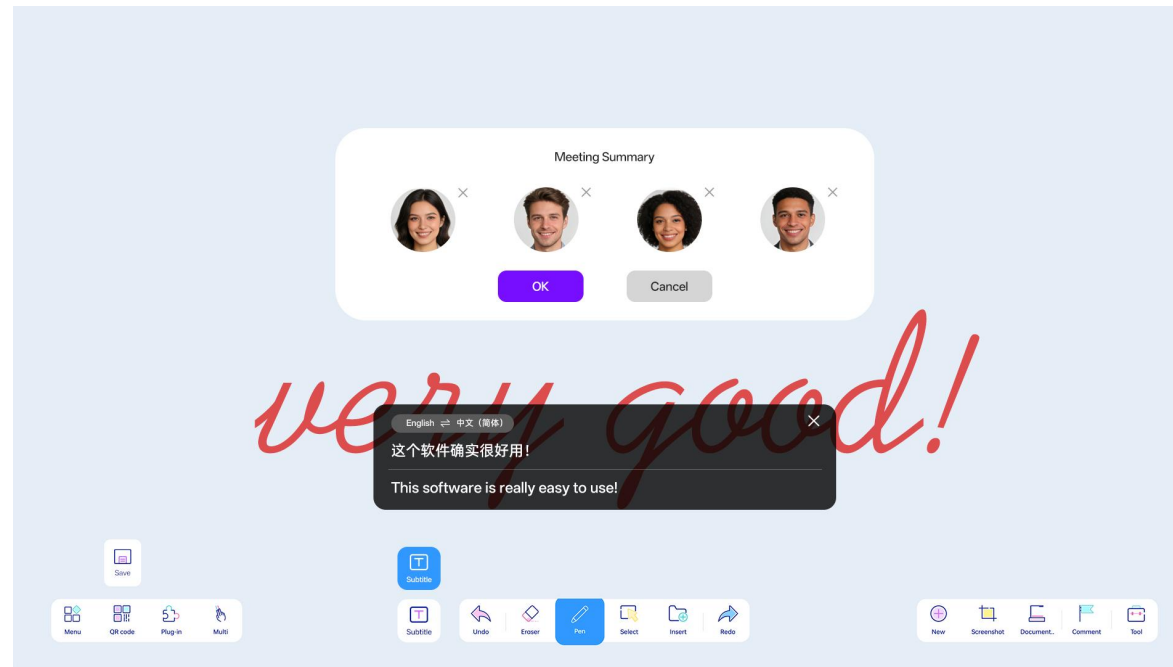
- Smart split-screen for efficient multi-participant meeting display
- Auto-tracking speakers for focused meeting perspectives
- Optimized frame composition for enhanced remote meeting experience

AI Subtitles / Real-time Translation



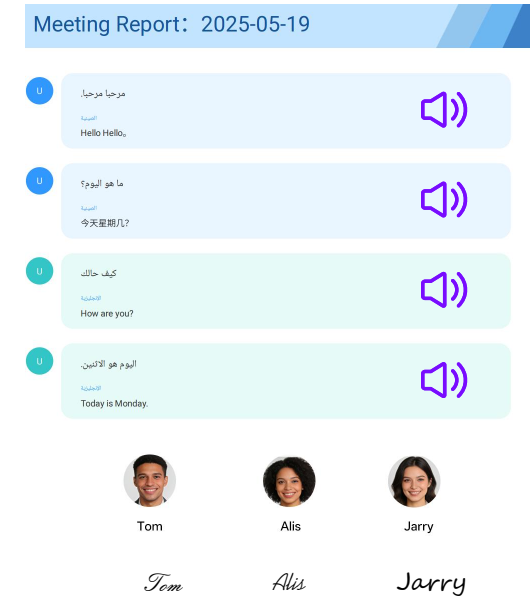
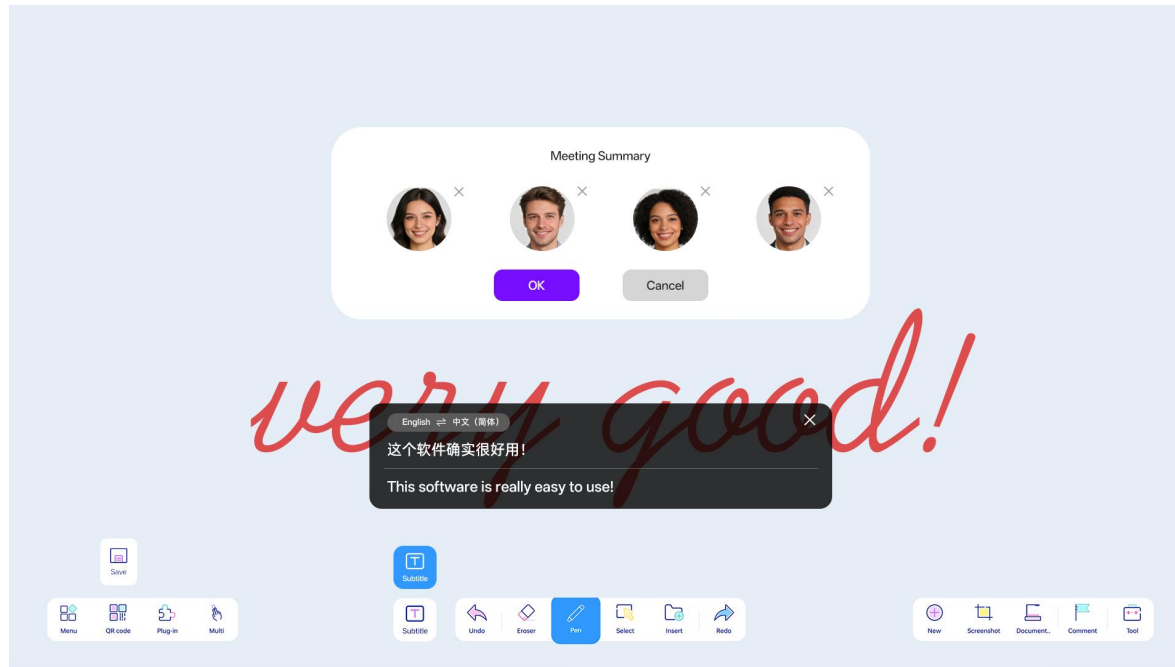
- AI Face Capture: Extracts attendee faces from meeting video streams.
- Visual Recognition: Identifies all participants accurately.
- Portrait List: Generates structured attendee profiles.

Facial Recognition & Attendance Check-in



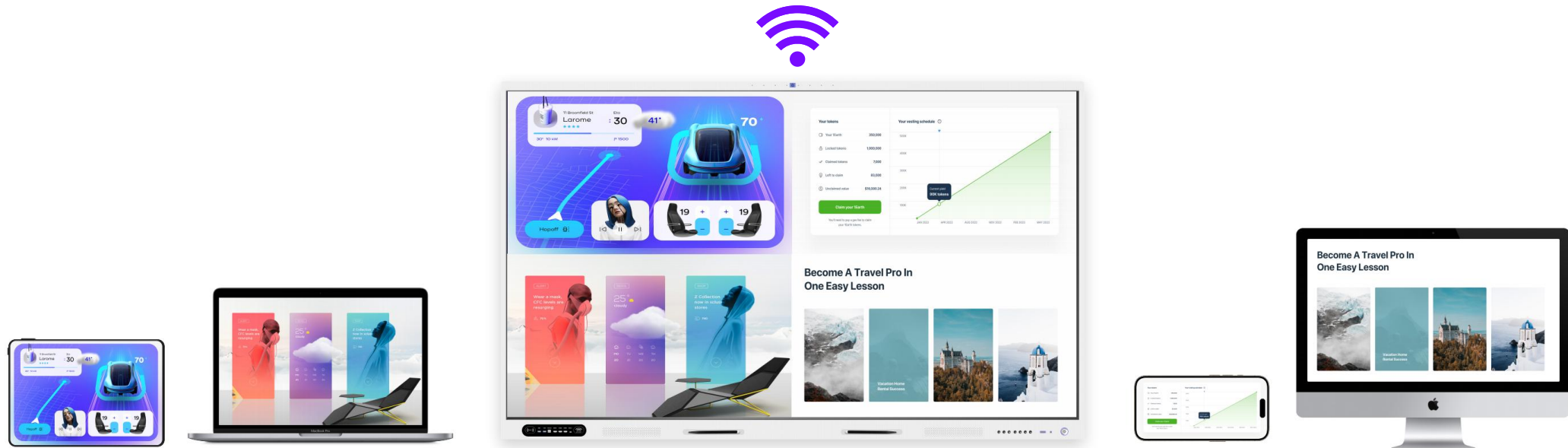
- Automatically extract attendee faces during/after meetings
- Leverage computer vision on video streams
- Generate a participant list with facial portraits

Intelligent Meeting Minutes Generation



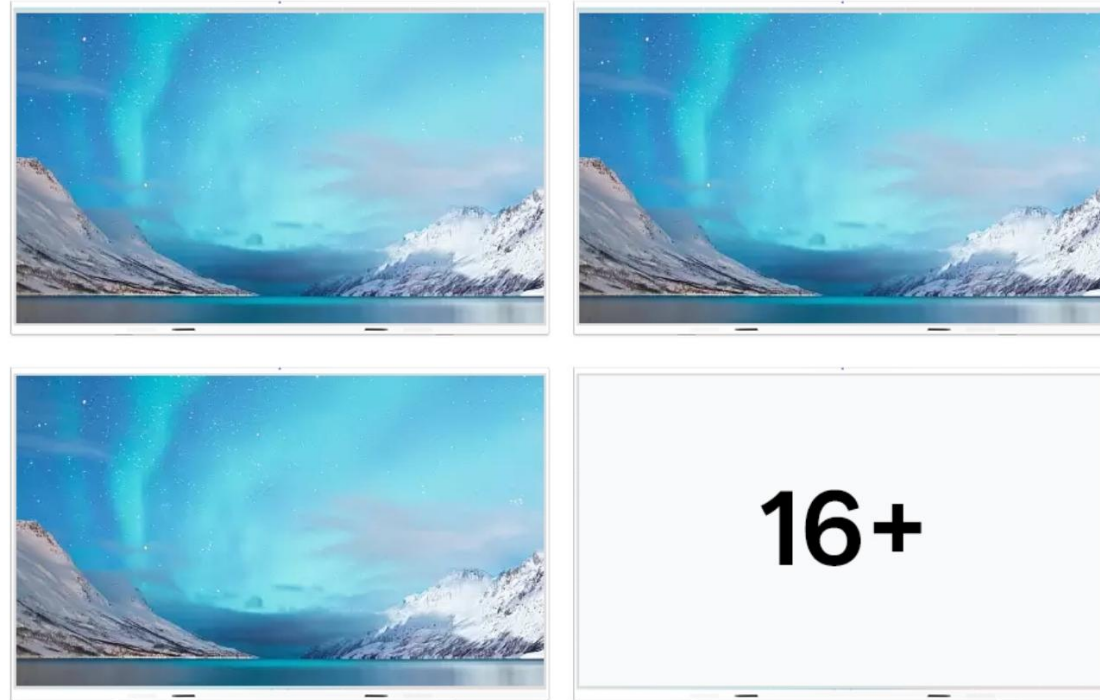
- Speech Recognition: Accurately restores original audio with no key points missed.
- Face Association: Automatically matches participant avatars and labels speech roles.
- Authentication & Traceability: Supports electronic signatures for traceable and verifiable meeting content.

Supports wireless screen projection from devices.



Supports wireless screen sharing from laptops, mobile phones and tablets to the conference display. With BYOM (Bring Your Own Meeting), users on Windows, macOS, iOS or Android can cast screens with one click, no heavy software needed — just a lightweight app or QR code. Free from cables, meeting collaboration becomes more flexible and efficient.

16+simultaneous screen sharing



The 16+ simultaneous screen sharing mode supports multi-device content display and real-time multi-view linkage without frequent signal switching, ensuring simple and efficient operation. Multi-device collaboration reduces clutter, making information clearer and teamwork smoother.

Wireless File Transfer



Participants can upload documents, images, audio and video to the conference system wirelessly for instant sharing. Files are saved in a temporary shared space, allowing all attendees to view, download and preview directly, without USB drives, emails or messaging apps.

All-in-one Type-C single-cable connection (display + charging + data transfer)



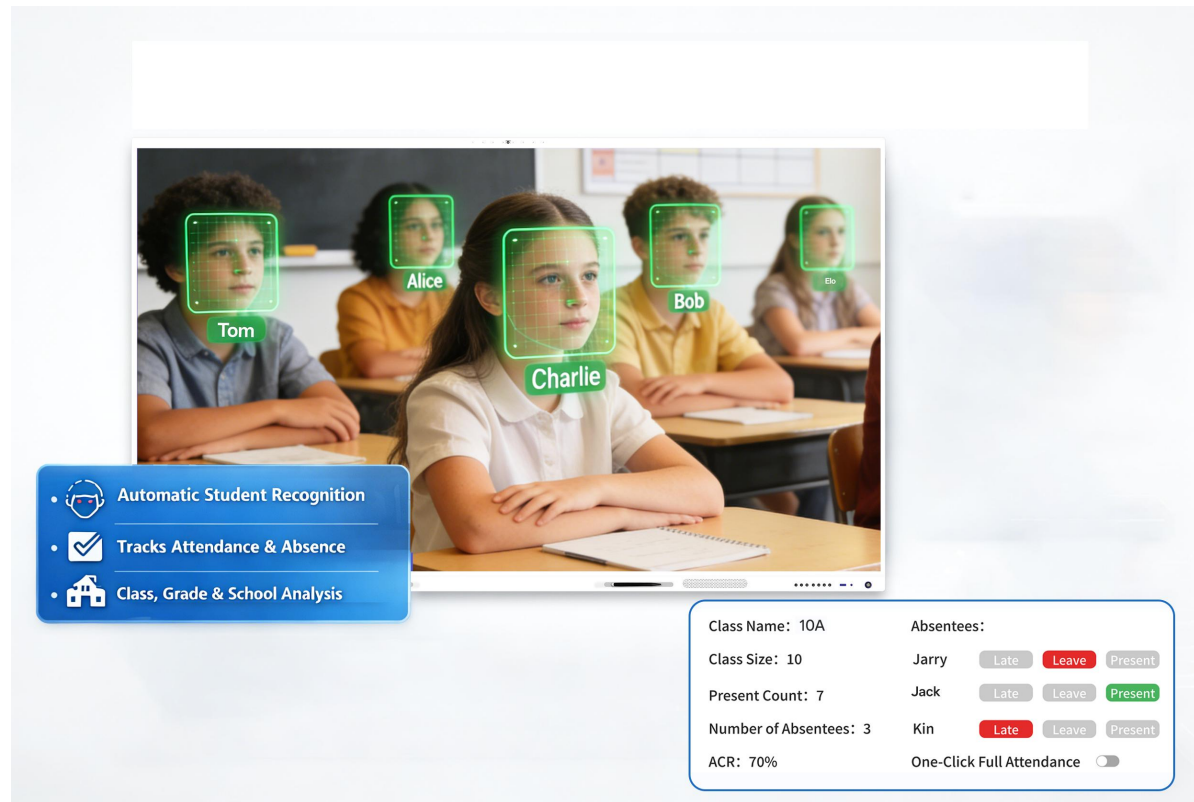
Full-featured Type-C port supports one-cable connection for video, charging and data transfer.
Delivers up to 4K display with plug-and-play, and reverse charging up to 100W to keep devices powered.
Simplifies setup and enables instant, worry-free collaboration.



Contents

Education Solutions

VisionRoll



VisionRoll using facial recognition to automatically identify students and track classroom presence by class, grade, and school.

- Face Recognition Sign-in
- Real-time Statistics
- Unexpected Situation Detected

Remote Interactive Live Streaming

The interface displays a live stream of a male teacher in a light blue shirt standing next to a digital whiteboard. The whiteboard contains the quadratic formula and its application to a specific equation:

$$ax^2 + bx + c = 0 \quad a \neq 0$$
$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$
$$x^2 - 4x - 5 = 0 = \frac{4 \pm \sqrt{-4 + 5}}{2a}$$
$$x = \frac{4 \pm \sqrt{36}}{2}$$
$$x = 5 \text{ or } x = -1$$

To the right of the whiteboard, a world map titled "Online members:" shows the locations of participants: Lily (California, USA), Suki (São Paulo, Brazil), Alex (Oslo, Norway), Daniel (Paris, France), and Daisy (Dongguan, China). At the bottom left, a hand holds a smartphone displaying the same interface, next to a QR code and a "Scan to Join" button. In the center bottom, there is a text input field labeled "Enter Room ID:" with the value "410336" entered.

- Real-time live streaming for online teaching
- Interactive Q&A and whiteboard collaboration
- Stable, immersive remote learning experience

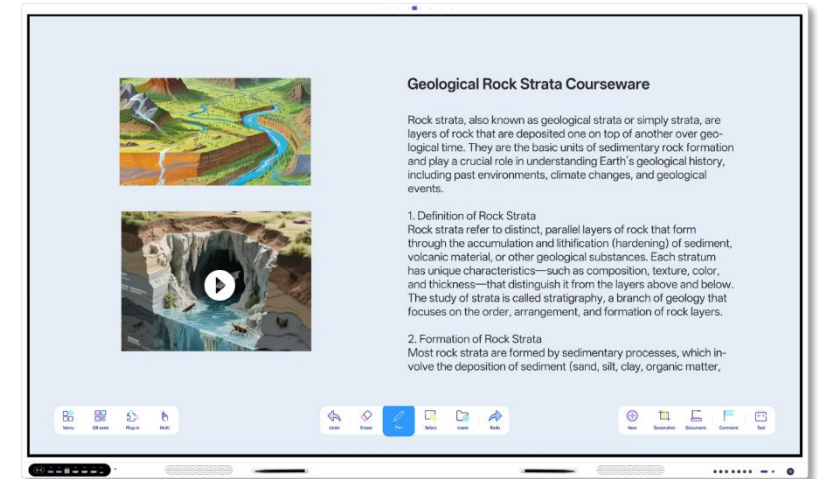
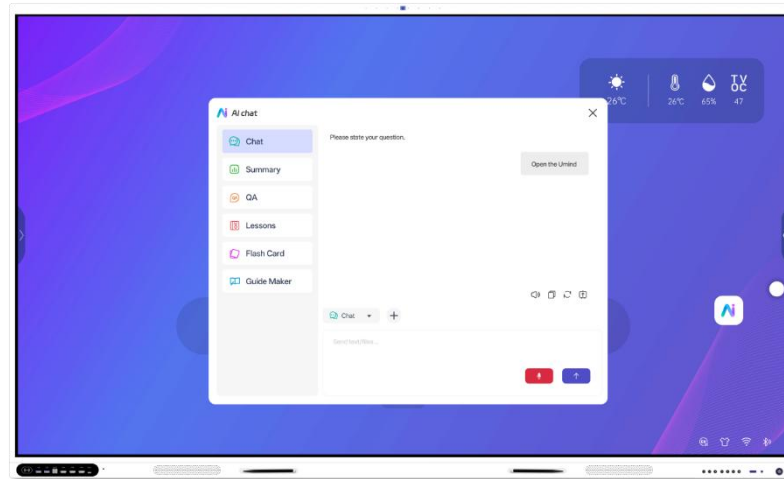


Contents

AI Teaching Assistant: Reducing Teachers' Workload

AI-generated courseware & exercises

Please help me create a courseware on geography.



Long press MindSpark, speak “Open Umind” aloud, then say “Please help me create a courseware on geography.”



AI-generated problems solving

The tablet screen shows a math problem: $f(2x+1) + f(2) = 4x - 1$ and $f(4) = ?$. The solution is displayed on the right side of the screen, showing the function $f(x) = 2x - \frac{3}{2}$, the steps to compute $f(4)$, and a verification of the result.

$f(x) = 2x - \frac{3}{2}$

Step 3: Compute $f(4)$

$$f(4) = 2 \cdot 4 - \frac{3}{2} = 8 - \frac{3}{2} = \frac{16 - 3}{2} = \frac{13}{2}$$

Final answer: $\frac{13}{2}$

Verification

Check with original equation:

- $f(2x-1) = 2(2x-1) - \frac{3}{2} = 4x - 2 - \frac{3}{2} = 4x - \frac{7}{2}$
- $f(2) = 2 \cdot 2 - \frac{3}{2} = 4 - \frac{3}{2} = \frac{5}{2}$
- Sum: $(4x - \frac{7}{2}) + \frac{5}{2} = 4x - 1$ ✓ matches RHS.

Also, $f(4) = \frac{13}{2}$ is consistent.

The tablet screen shows a geometry problem with a triangle and an exterior angle labeled x . The solution is displayed on the right side of the screen, showing the calculation of the exterior angle $\angle BDA$ and a feedback section.

$x = ?$

$\angle BDA = 180^\circ - 45^\circ - 22.5^\circ = 112.5^\circ$

Therefore, if x represents the interior angle, $x = 112.5^\circ$. If x represents the exterior angle as drawn, then $x = 67.5^\circ$.

Feedback

Strengths:

- The problem presents a good challenge involving triangle geometry and trigonometry
- The diagram is clear in showing the key measurements

Areas for Improvement:

- Ambiguity in angle labeling:** The angle x should be clearly specified as interior or exterior
- Missing context:** No work shown, making it impossible to assess the student's reasoning process
- Units clarification:** Should specify if angles are in degrees (assumed) or radians

Recommendation: The most mathematically consistent answer is $x = 112.5^\circ$ (interior angle), but the diagram's marking suggests the exterior angle interpretation.

Upload images or formulas to Umind, and AI will solve problems.

Whiteboard AI Table & diagram

The screenshot displays the Riotouch whiteboard interface. On the left, a hand-drawn table is visible on a dark blue background. The table has three rows and three columns, with the following values:

3	4	6
1	2	5
4	8	7

Below the hand-drawn table is a smaller, more structured table with four columns and three rows, which is the rendered version of the hand-drawn table. The rendered table is shown on the right side of the interface:

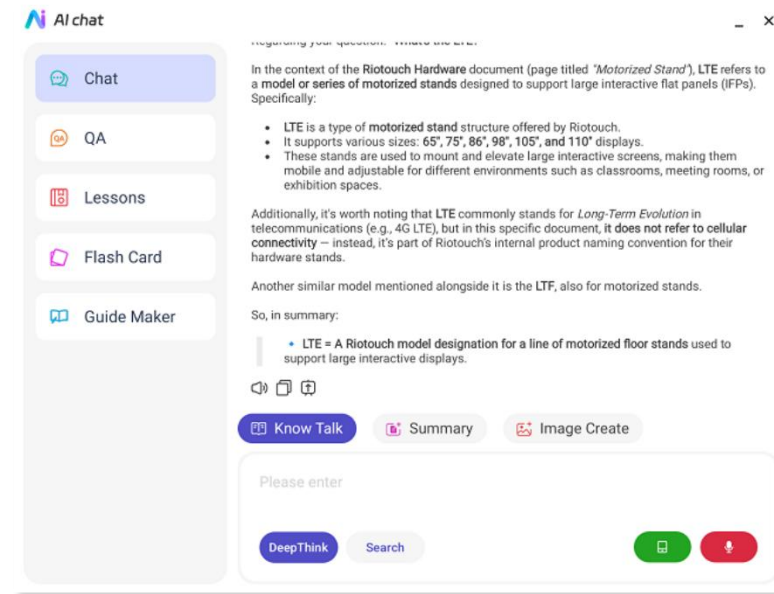
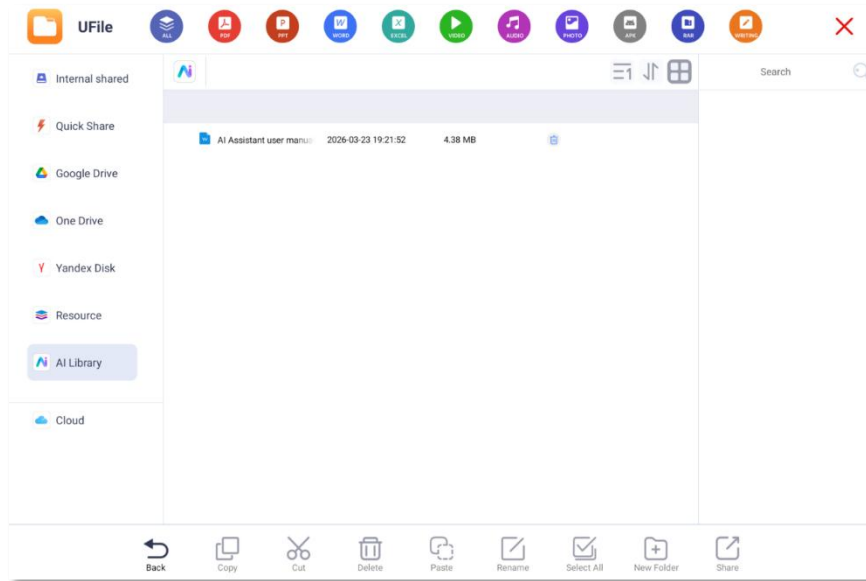
Col 1	Col 2	Col 3	Row Total
3	4	6	13
1	2	5	8
4	8	7	19

Below the rendered table, a chat interface is visible. It includes a text input field with the placeholder "topic or somethings to chat about" and a send button. Above the input field, there is a section titled "Now, rendered:" which contains a table with the same data as the rendered table above. Below the table, there is a section titled "Clarifying Question:" with the text: "Did you intend for the original rightmost column (with 6, 5, 7) to be *replaced* by these totals? Or should we add a *new* fourth column (as shown above)?"

The bottom of the interface features a toolbar with various icons for navigation and editing, including "Menu", "QR", "Toolkit", "Resource", "Google", "Multi", "live stream", "Undo", "Erase", "Pen", "Select", "Insert", "Redo", "New", "Previous", "1/1", "100%", "Next", "Screenshot", "Record screen", "Camera", and "List".

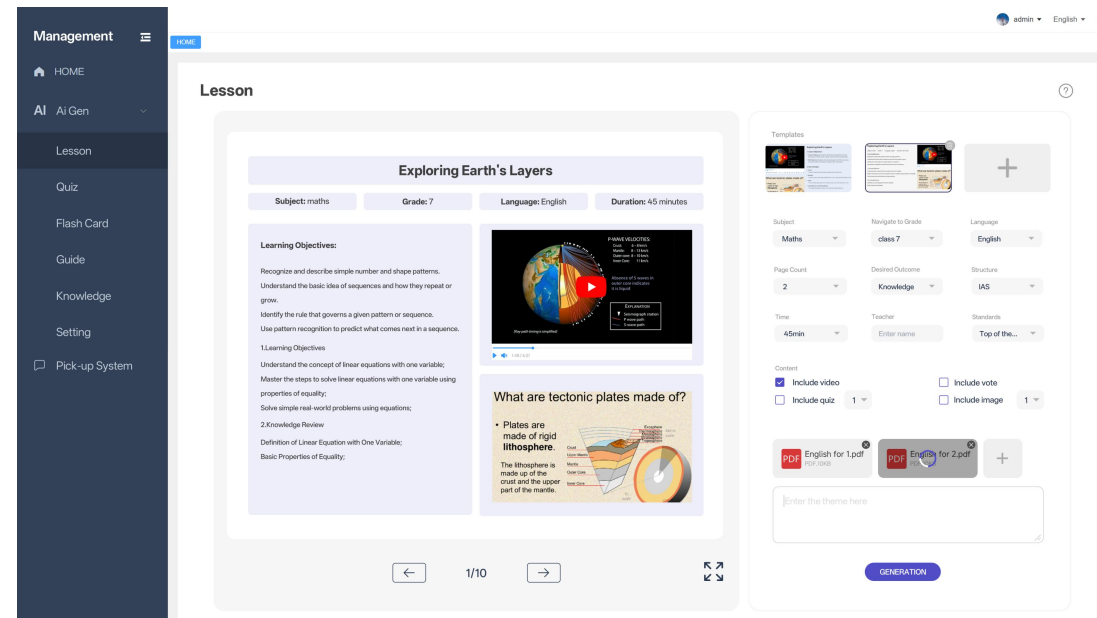
Table calculation and Chart generation

How to effectively use teaching resources?



Open UFile, upload resources to the AI Library, enable voice input, and inquire about the content of the resources.

How to relieve teacher's burden when they return home?



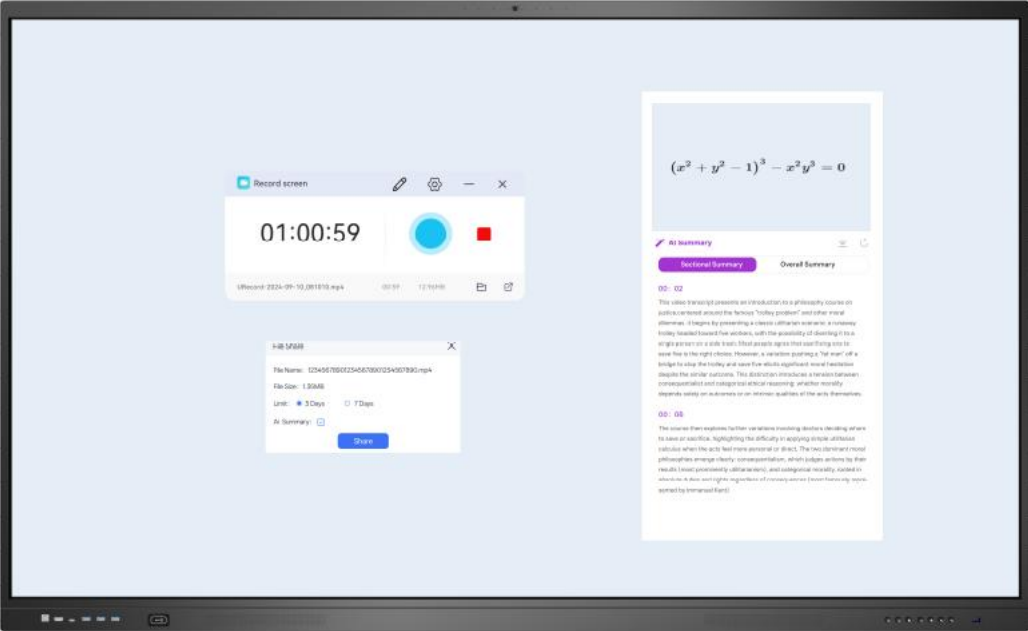
Open Cloud.DaisyOS.AI, enter your account, and access AI course generation.
 Input keywords, select the corresponding AI option, and choose different templates.
 You may select whether to include images or videos.
 After generation, save the file, go to Resource, find AI Cloud/Lesson, preview and open the generated file.
 Return to UMind, navigate to the corresponding directory, and open it synchronously.



Contents

Classroom Interaction & AI Tools

Screen Recording Summary



Supports video analysis and summarization after screen recording.

AI Whiteboard Translation Function



Click on the whiteboard to use the AI translation function.

Cloud Platform: DMS Operation-Group Message Sending

Management

System

HOME

Account

Permissions

DMS

Group

F/W Manage

App Management

Resource

Cloud

Language

Operation

Logs

MyCenter

admin

Language

HOME

DMS

Group

HOME / Group

group name

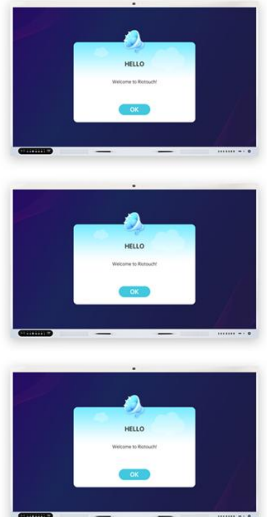
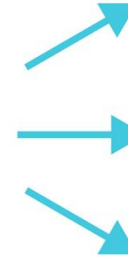
Search

Add

ID	group name	Operate
108		<a>Edit <a>Config Device <a>Delete <a>Device Control
107		<a>Edit <a>Config Device <a>Delete <a>Device Control
106		<a>Edit <a>Config Device <a>Delete <a>Device Control
84		<a>Edit <a>Config Device <a>Delete <a>Device Control
83		<a>Edit <a>Config Device <a>Delete <a>Device Control
77	Grade 5	<a>Edit <a>Config Device <a>Delete <a>Device Control
73	group5	<a>Edit <a>Config Device <a>Delete <a>Device Control
72	group4	<a>Edit <a>Config Device <a>Delete <a>Device Control
65	Dong Guan NO. Primary School	<a>Edit <a>Config Device <a>Delete <a>Device Control
64	Paris	<a>Edit <a>Config Device <a>Delete <a>Device Control

Total 24

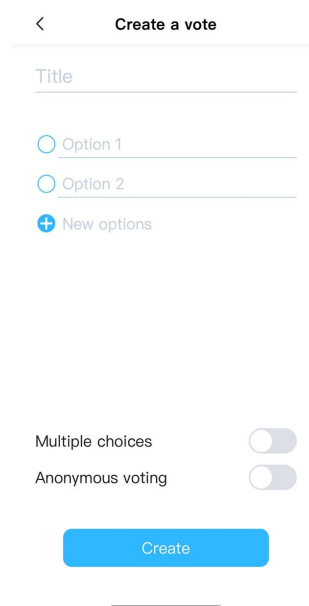
123>



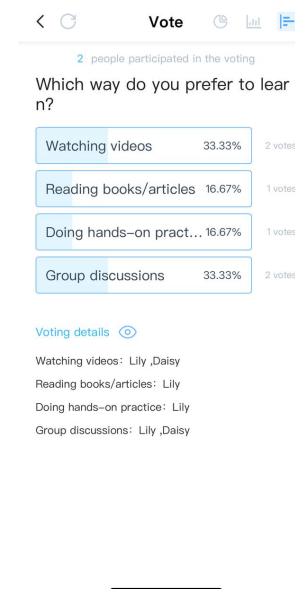
Interactive voting tool: Launch real-time polls with results displayed on-screen and on user devices.



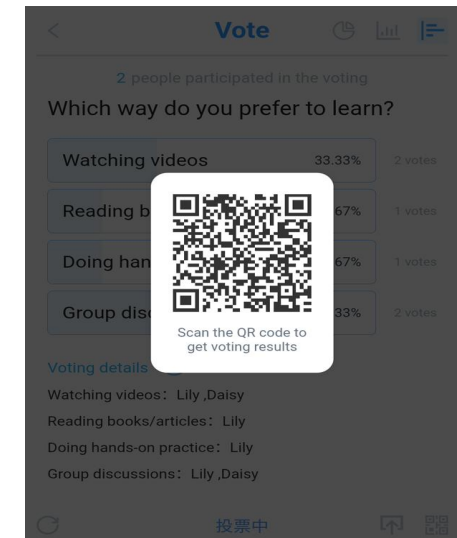
Create Voting



Single-choice or multiple-choice



Voting details



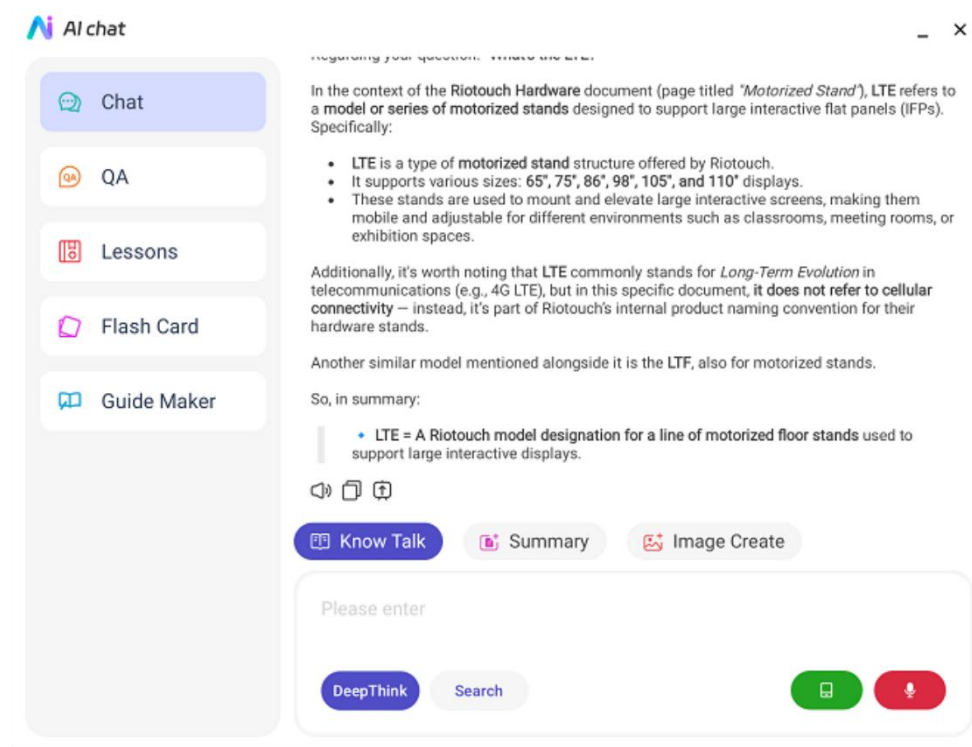
Get Results Instantly on Your Phone



Contents

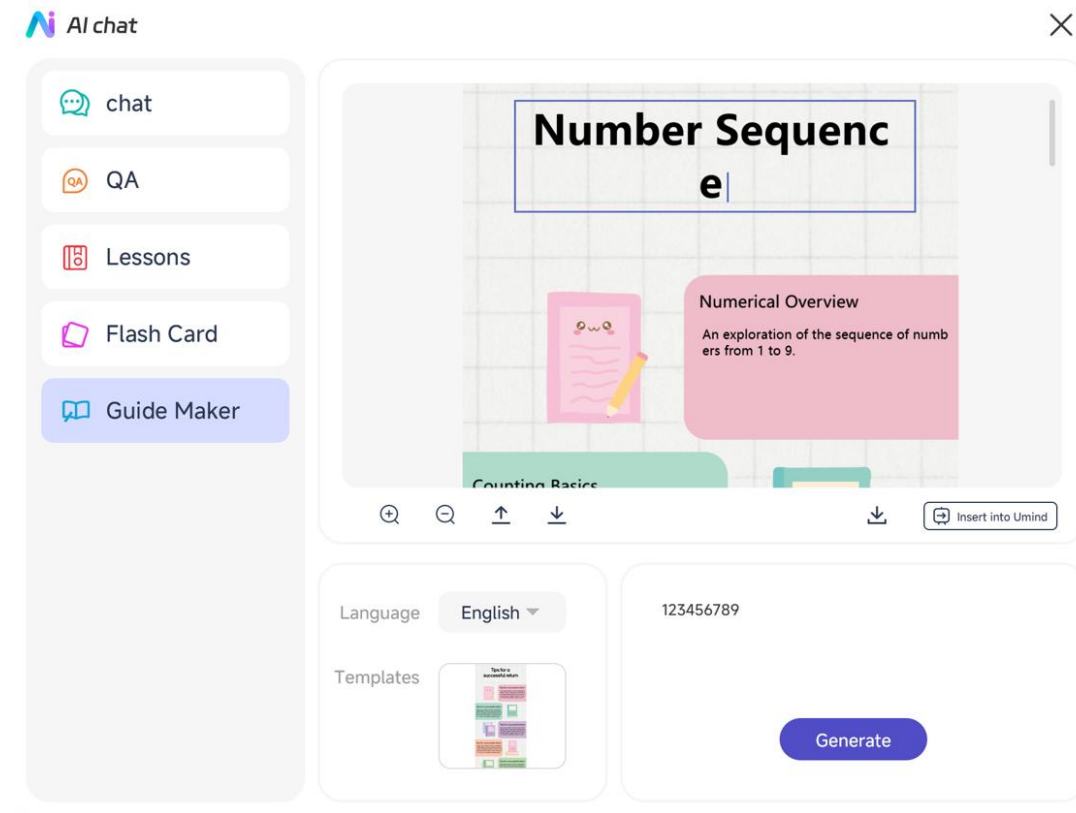
AI Learning Companion

AI Knowledge Base Q&A



AI Knowledge Base

Guide Maker



Generated by Guide Maker



Contents

Application Scenarios

Application Scenarios



Multinational Enterprises

Real-time translation + AI director, ensuring every word of the global team is understood



Tech Companies / Large Groups

4K HD + wireless collaboration, smart casting + batch deployment



Government Agencies

Smart check-in + data security, ensuring every meeting is well-documented



Universities/Training Institutions

Remote sync + split-screen comparison, making every class visually engaging

They're Using Smart LED

"Since using Smart LED, our cross-border team's meeting efficiency improved by at least 50%, and auto-generated minutes capture every key dialogue."

——Technical Director, Multinational Tech Company

"AI voice following lets remote attendees see who's speaking clearly—now they finally feel engaged in meetings."

——Director, Information Center, Renowned University

"Intelligent O&M lets me manage 30 meeting rooms nationwide alone, with proactive fault warnings—no more fire-fighting."

——IT Manager, Large Enterprise Group

Specifications

Model		LF 108 Y Link	LF 136Y Link	LF 163Y Link
Display				
Screen Diagonal		108(inch)	136(inch)	163(inch)
Color	White (Black is for option)	√	√	√
Screen Type	COB	√	√	√
Screen Dimensions		2400*1350	3000*1687.5	3600*2025
Maximum Resolution		1920*1080 /60hz	2880×1600/60hz 3840×2160/60hz	2880×1600/60hz 3840×2160/60hz
Pixel Pitch		P1.25	P1.25/0.93	P1.25/0.93
Aspect Ratio	16:9	√	√	√
Contrast Ratio	5000:1	√	√	√
Brightness	600cd/m2	√	√	√
Refresh Rate	3840HZ	√	√	√
Viewing Angle	160° (H) /160° (V)	√	√	√
Lifespan	50,000 hours	√	√	√
Viewable Area (m²)		3.24	5.06	7.29
Brightness Uniformity	≥98%	√	√	√
Color Temperature (K)	500~10000	√	√	√
Touch				
Touch Technology	IR touch	√	√	√
Multi-touch	10 points touch	√	√	√
Touch Accuracy	2 mm	√	√	√
Auto-calibration	Yes	√	√	√
Sunlight Immunity	Yes	√	√	√
Minimum Touch Point Diameter	7mm	√	√	√
Single-point Response Speed	10ms	√	√	√
Supported OS	Windows 7/8/10/11; Android; Mac; Linux; Chrome OS	√	√	√
Speakers				
Front side speakers	15W*2	√	√	√
Total Speaker Power	≤ 30w	√	√	√
Microphone (Option)				
Microphone type	Linear equidistant microphone array	√	√	√
Number of MIC	8 mics	√	√	√
Automatic switching (OPS, Android)	Yes	√	√	√

Camera (Option)				
Image sensor	48M	√	√	√
Maximum resolution	8000*6000@5fps 4200*3120@20fps 3840*1920@30fps	√	√	√
Lens	D=119 degree H=97 V=74	√	√	√
Front side Ports				
Type-C Full function	65W	√	√	√
HDMI IN	1	√	√	√
USB3.0*3	3	√	√	√
USB-B*1	1	√	√	√
Control keys	Standard Configuration: 3 Buttons (Power On/Off, Volume+, Volume-)			
Mainboard				
Mainboard	S Link	√	√	√
Standard 80-pin Single OPS Port (Optional Dual OPS Interfaces: AI Box + OPS PC)				
OPS AI	RK3588 or RK3576	√	√	√
OPS Windows	I3/I5/I7	√	√	√
General Information				
Power Supply Voltage	~ 100-240 V (50/60Hz)	√	√	√
Standby Power Consumption	≤ 0.5 W	√	√	√
Average Power Consumption		655	1450/1650	1950/2200
Net Weight	(KG±2)			
Gross Weight	(KG±2)			
Unit Dimensions	(WxDxH)	2435.68*45*1081.78	3035.68*45*1464.28	3635.68*45*2139.28
Packaging Dimensions	(WxDxH)			
Wall Mount Dimensions	(mm)			
Working environment				
Operating Temperature	0°C - 40°C/32 - 100 °F	√	√	√
Storage Temperature	-20°C - 60°C/-4 - 140 °F	√	√	√
Storage Humidity	10 % - 90 %	√	√	√
Operating Humidity	10 % - 90 %	√	√	√
Accessories				
Accessories	Remote Control × 1, 3m Power Cable × 1, 1.5m HDMI Cable × 1 (3m or 5m optional), 1.5m USB Touch Cable × 1 (3m or 5m optional)			

THANK YOU



Official Website



YouTube



Facebook