



LT SERIES

# RK3588

65" 75" 86" 98" 105" 110"

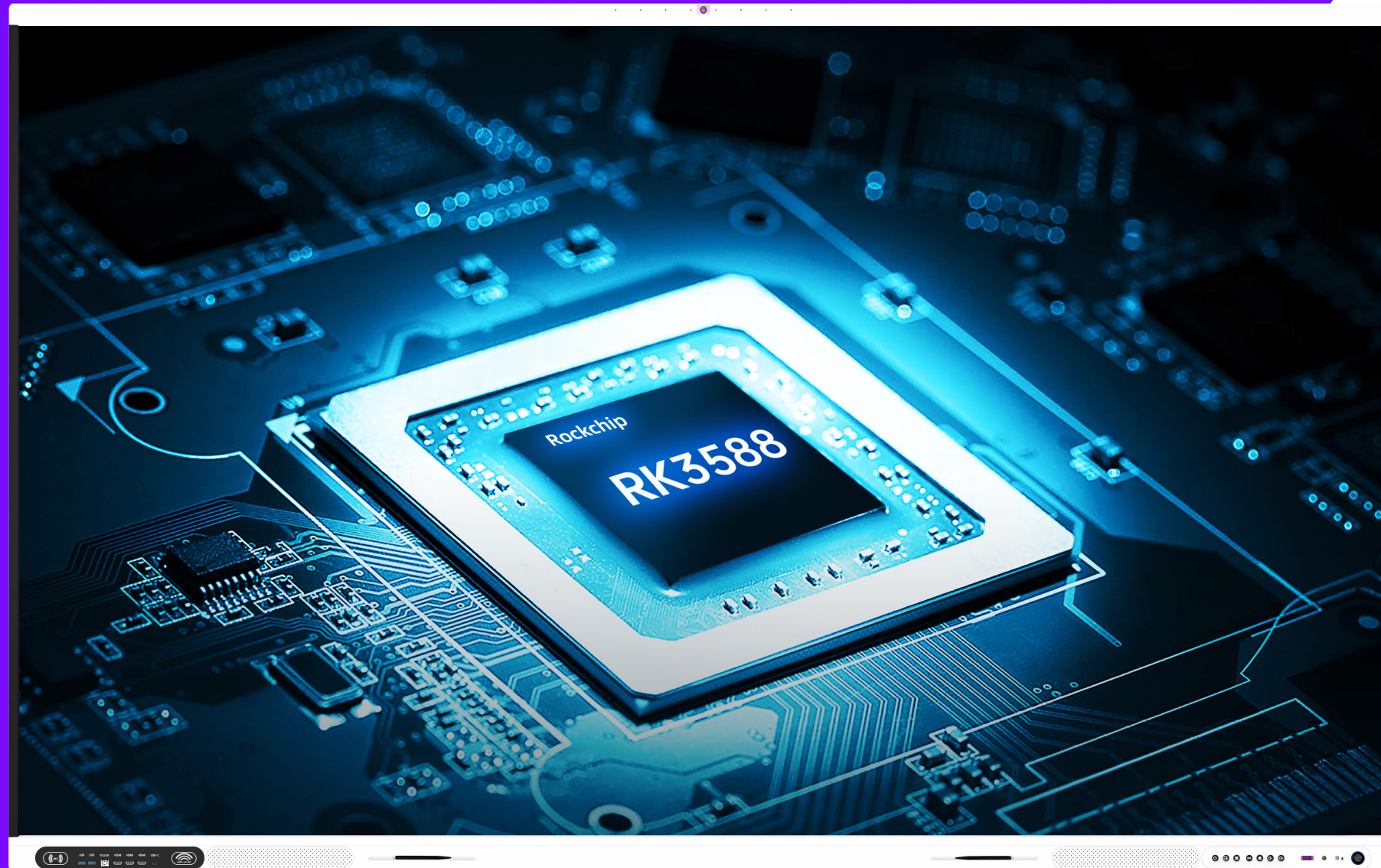
## High-Performance, meet Interaction


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







# Best Performance Interactive Screen For Education And Business



 **8nm**  
Lithography Process

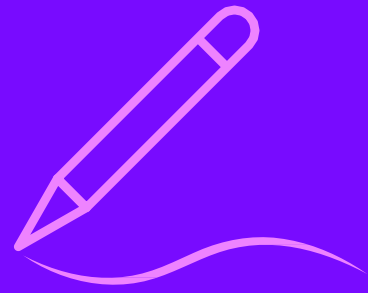
 **Octa-core**  
CPU

 **2.4GHz**  
Frequency

 **6Tops**  
Computing Power

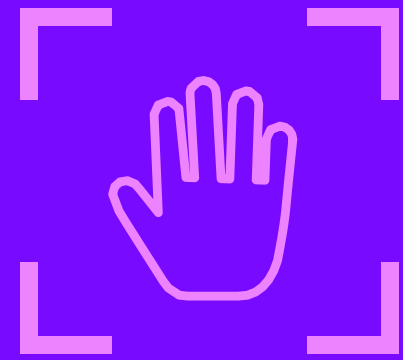
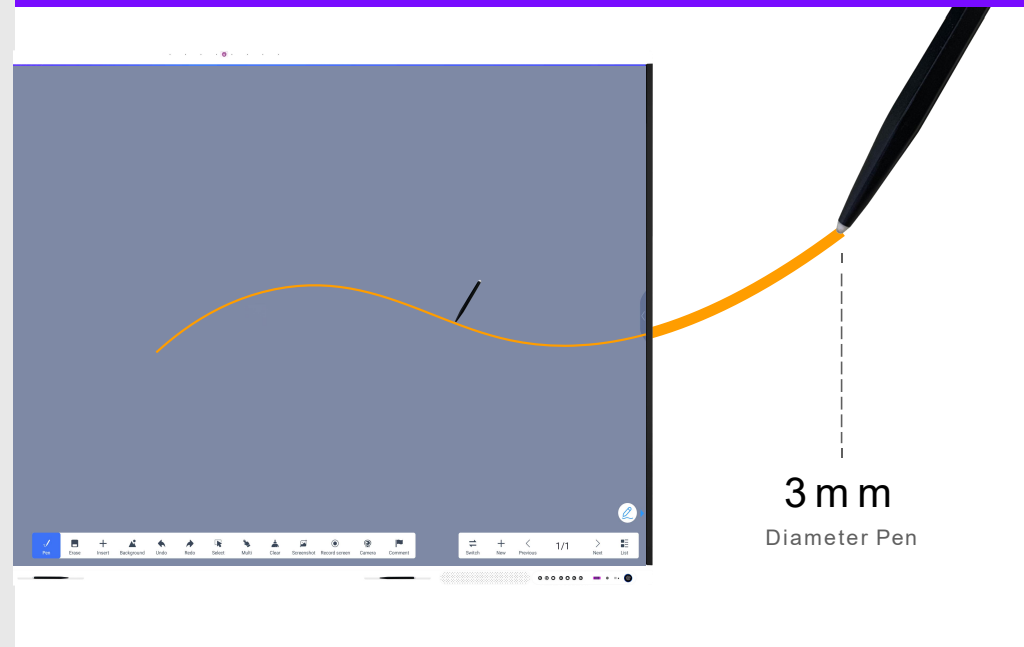
 **8K Video**  
Video Decoding

Experience the power of an intuitive app-based user interface that makes teamwork a breeze. Whether in the classroom or the boardroom, our robust whiteboard functionality allows for real-time sharing and brainstorming, taking your productivity to new heights.



## Naturally Smooth Writing with Digital Accuracy

Write, annotate, and collaborate during presentations with a pen-on-paper feel. With dual-pen recognition to support group collaboration, and Ultra Fine Touch technology and 3mm tipped pens for lag-free digital precision, offers unparalleled writing accuracy with a natural flow.



## Palm Rejection

Palm recognition technology minimizes errant touch inputs from palms, wrists, sleeves, etc., so that users can write and annotate freely.

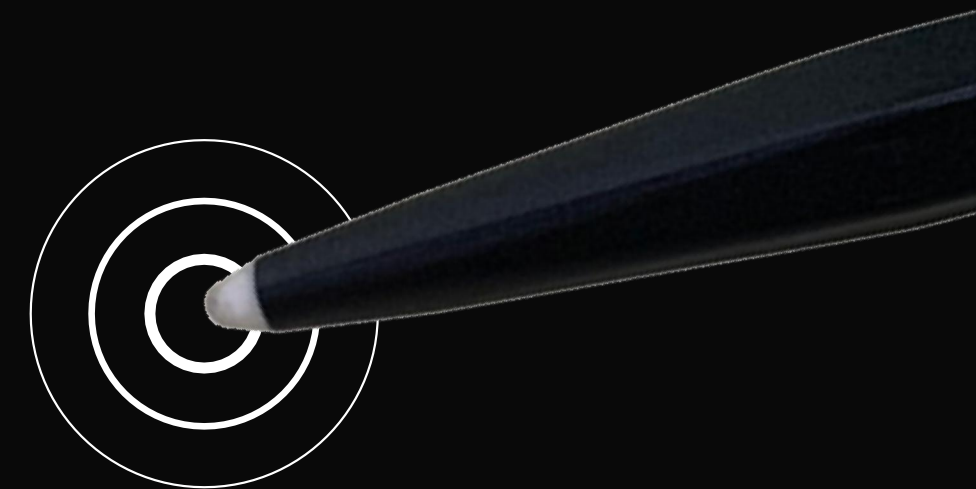


Riotouch

More Interactive

# Touch

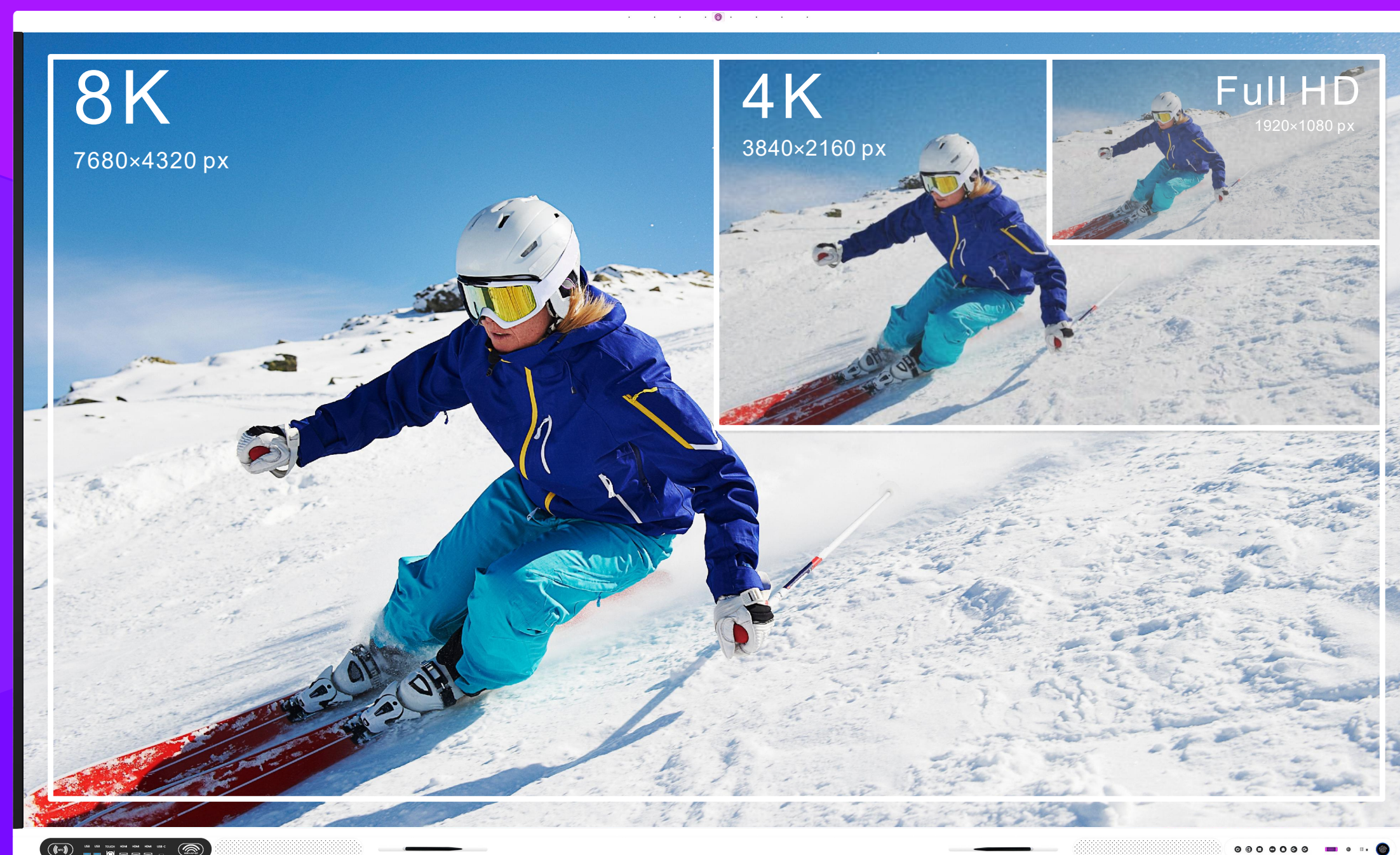
Up to 40 points of touch





# 8K Resolution With Immense Picture Quality

A dynamic display range has 8k video resolution with an unparalleled visual experience offer true to life color and picture quality, enhances any classroom or meeting room experience and adds life to it.





# Zero Bonding

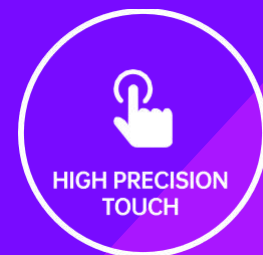
Zero bonding technology ensures high precision touch and dust free clarity screens.



0mm Air Gap at the center

Glass OC

0.8mm Air Gap at the edge





# 8Array Microphones with speaker tracking

8 microphones and speaker-tracking technology locate the sound source in real-time, ensuring the speaker is always the center of attention.

8 Array

10-meter

AI noisereduction



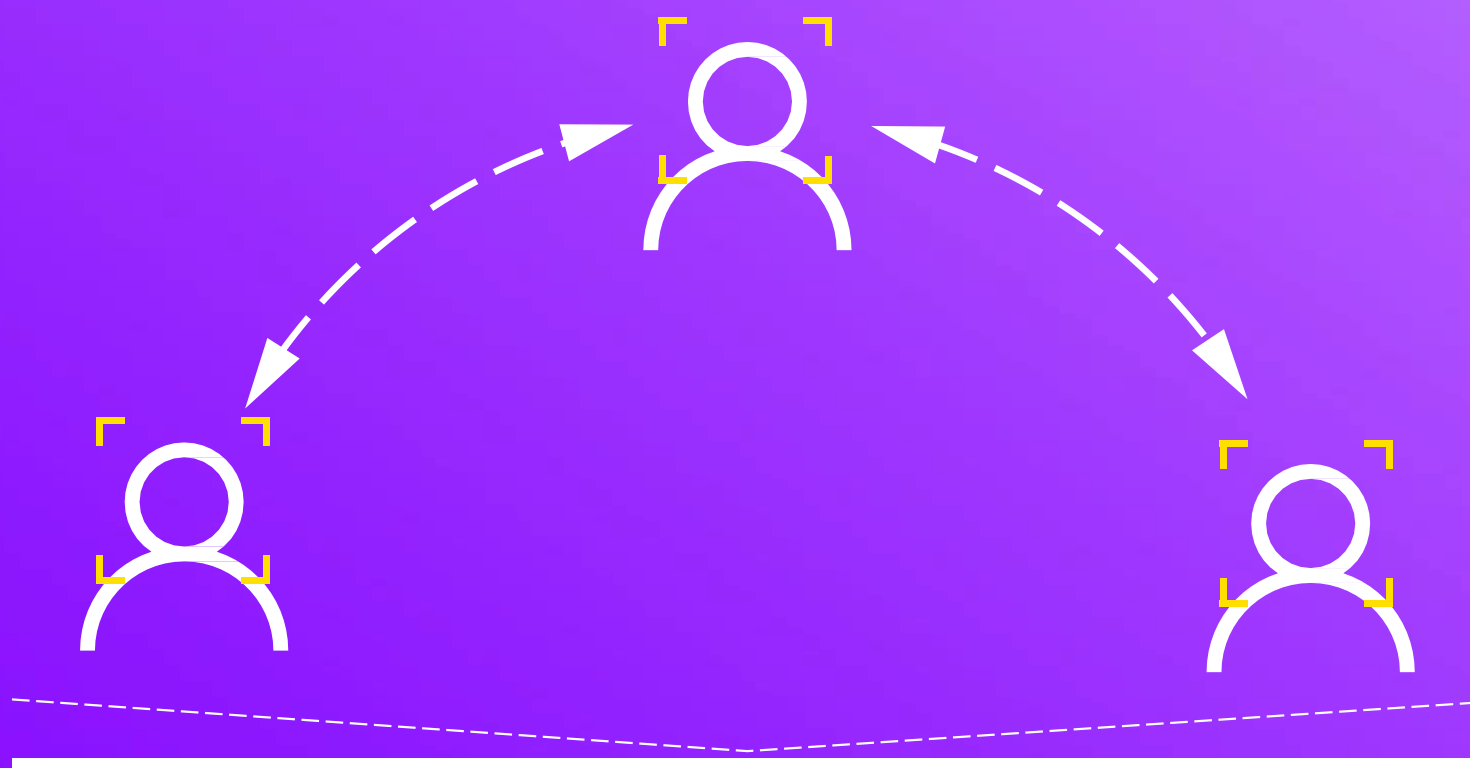
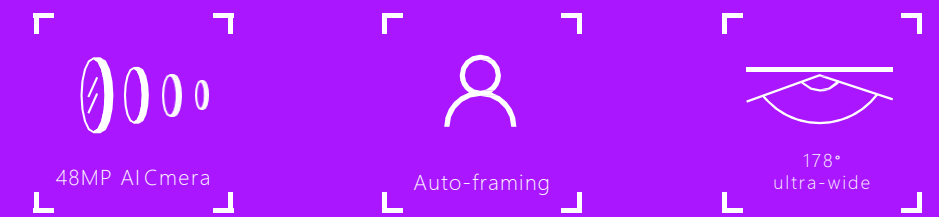


Riotouch

More Interactive

# 48MP AI Camera Auto framing

With auto-framing, the Riotouch display automatically adjusts to achieve the best angle based on the number of participants and their location, so it feels like a face-to-face interaction.





# Multiple Ports

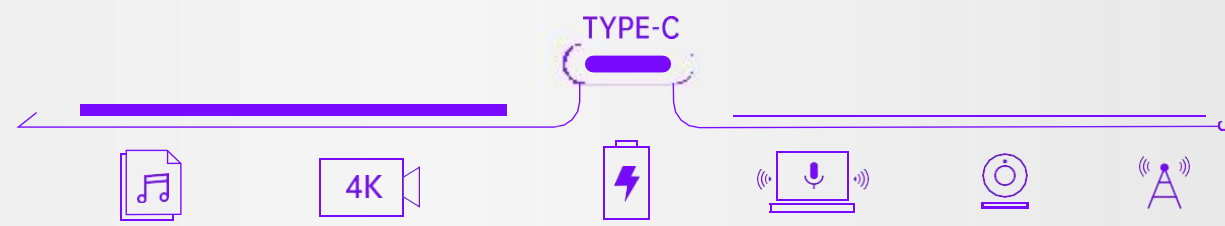
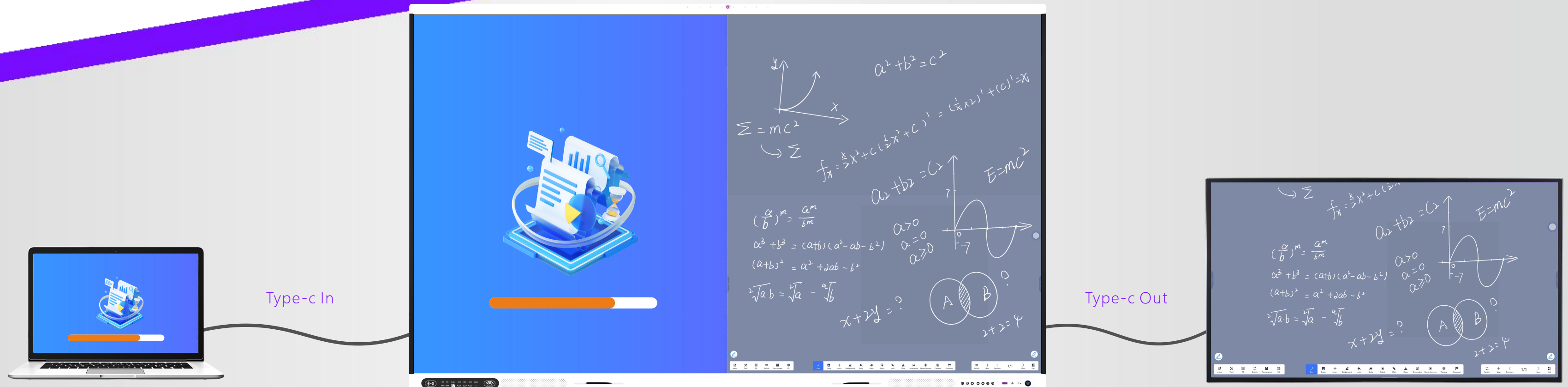






# Type-C Versatile Connectivity

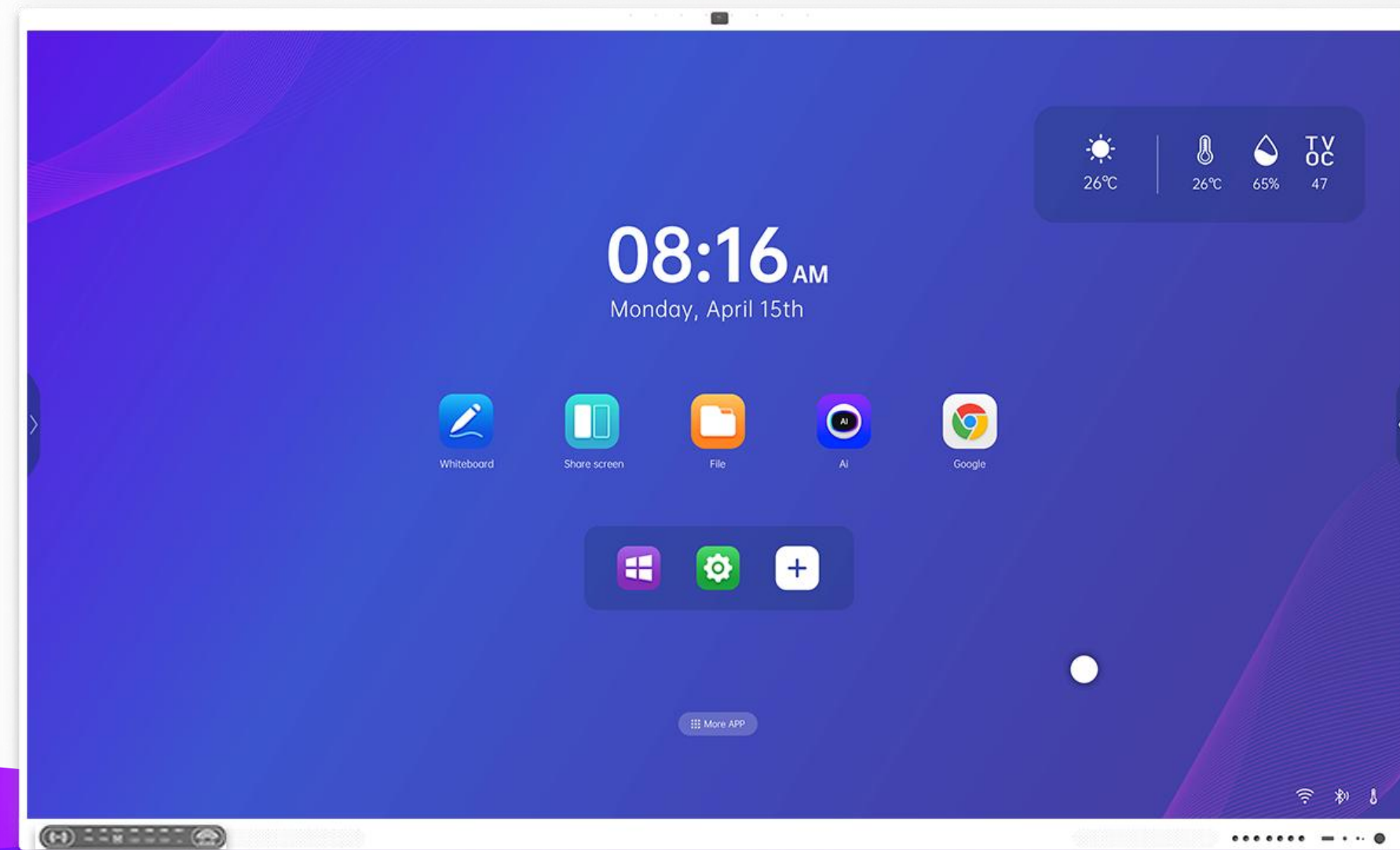
Experience seamless connectivity with the versatile Type-C port. Effortlessly connect to webcams, microphones, speakers, USB flash drives, and wired networks by simply plugging in a cable. And with up to 100W of charging performance, your device stays powered throughout your lessons.





# Display multiple devices on the same screen

-On the RK3588 device, you can use your laptop, iPad, and iPhone to display on the same screen!





# Transform Images into Actionable Insights



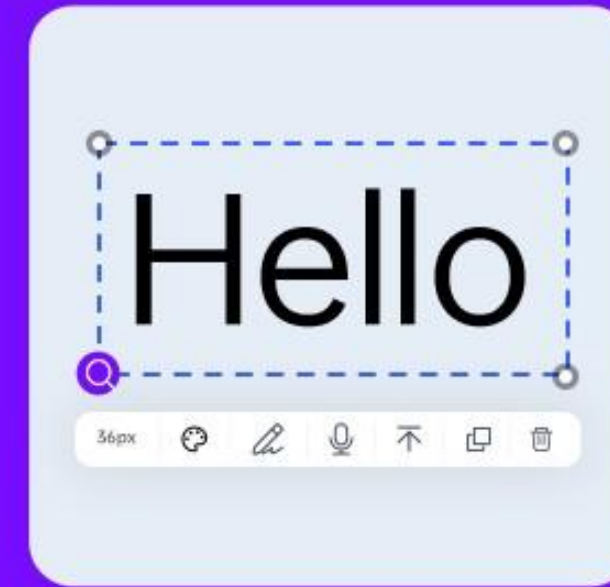
Import pictures

From Image to Insight  
"Capture. Convert. Conquer."

"With RK3588, capturing an image is just the beginning. Convert it into text and conquer the information it holds. Whether it's documents, receipts, or notes, RK3588's OCR turns images into insights at your fingertips."



Image recognition



Object handling

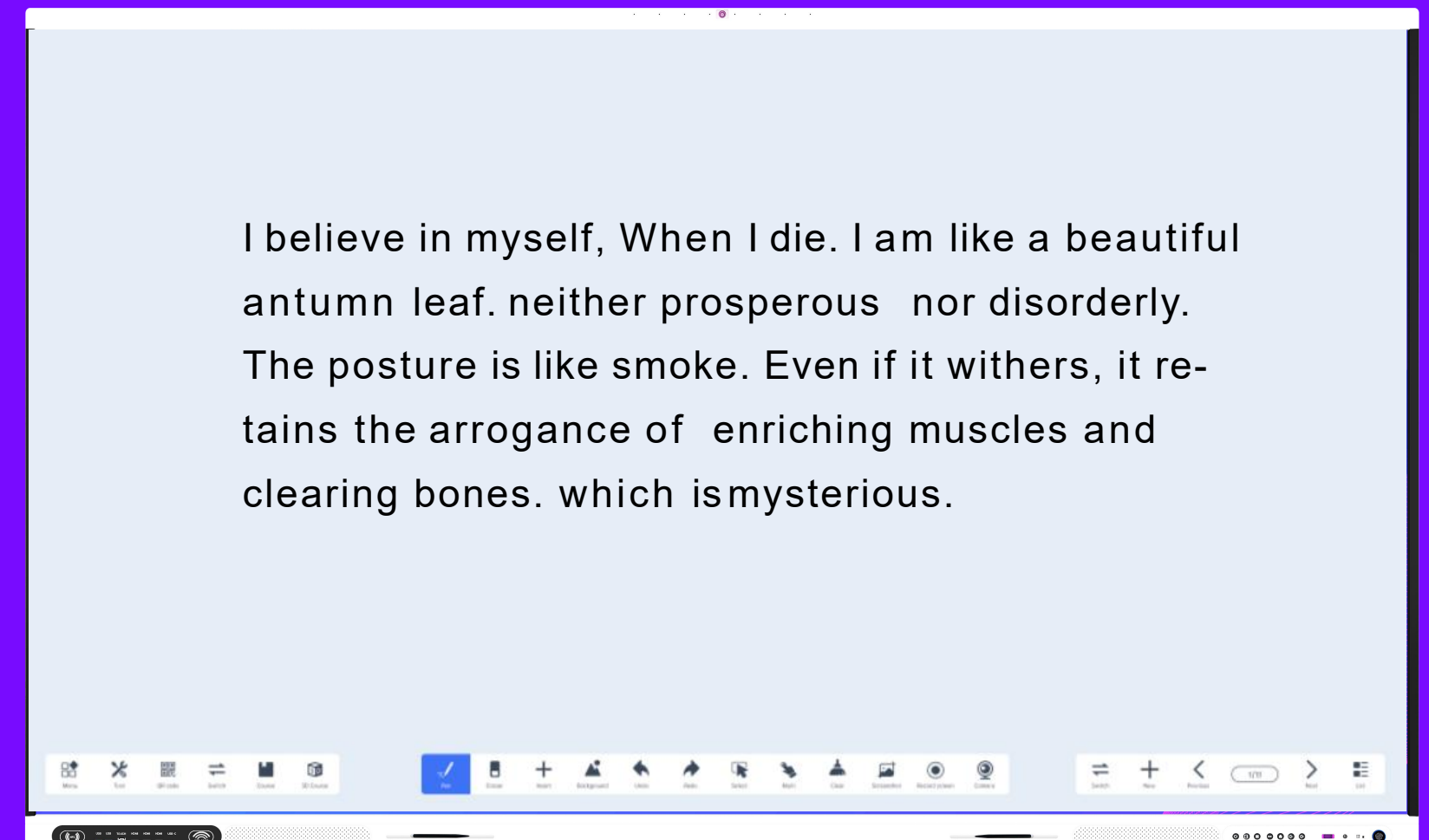
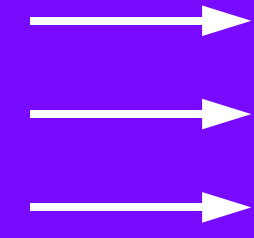
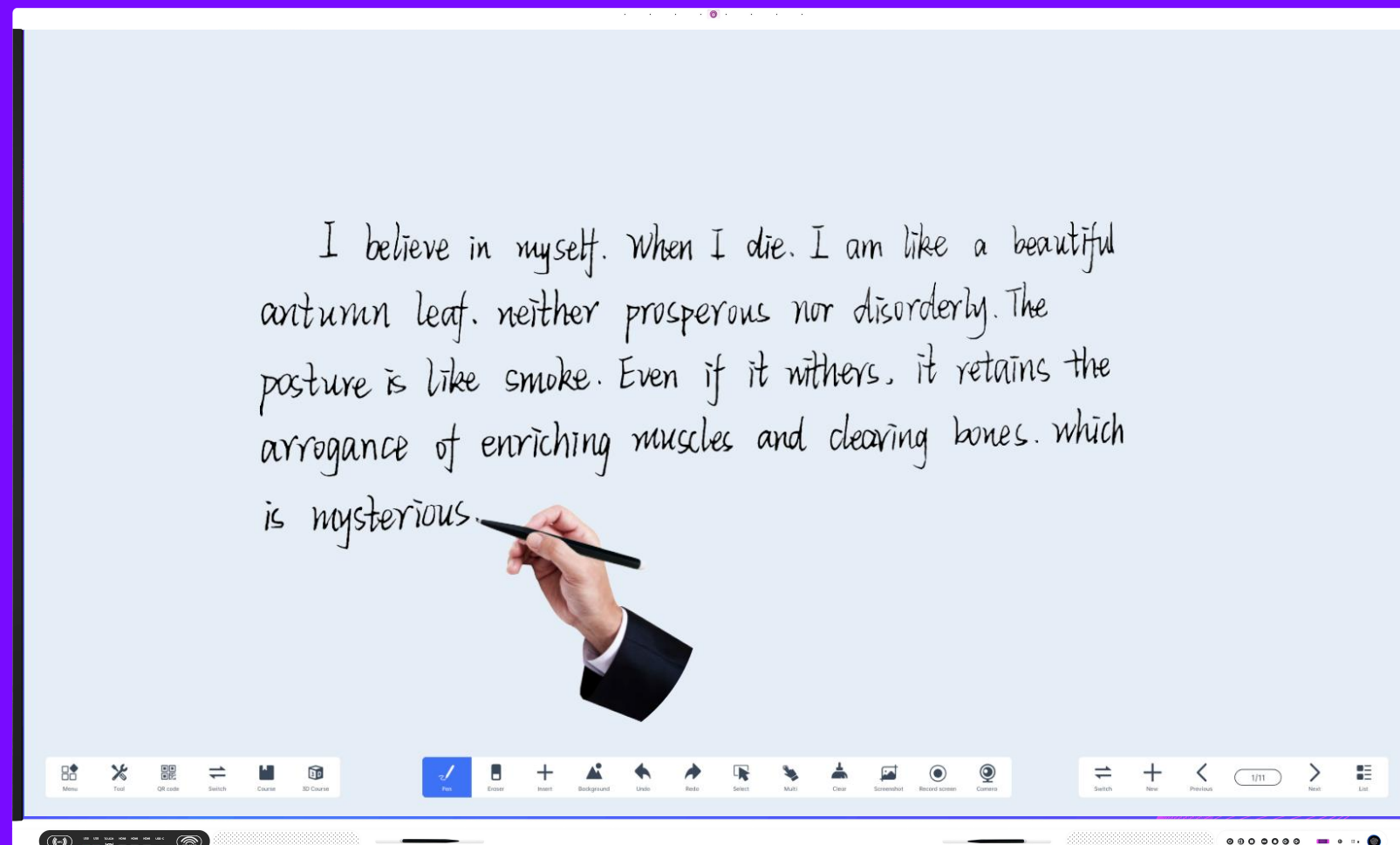


Google search



# Transform Your Writing with Umind Advanced AI Pen

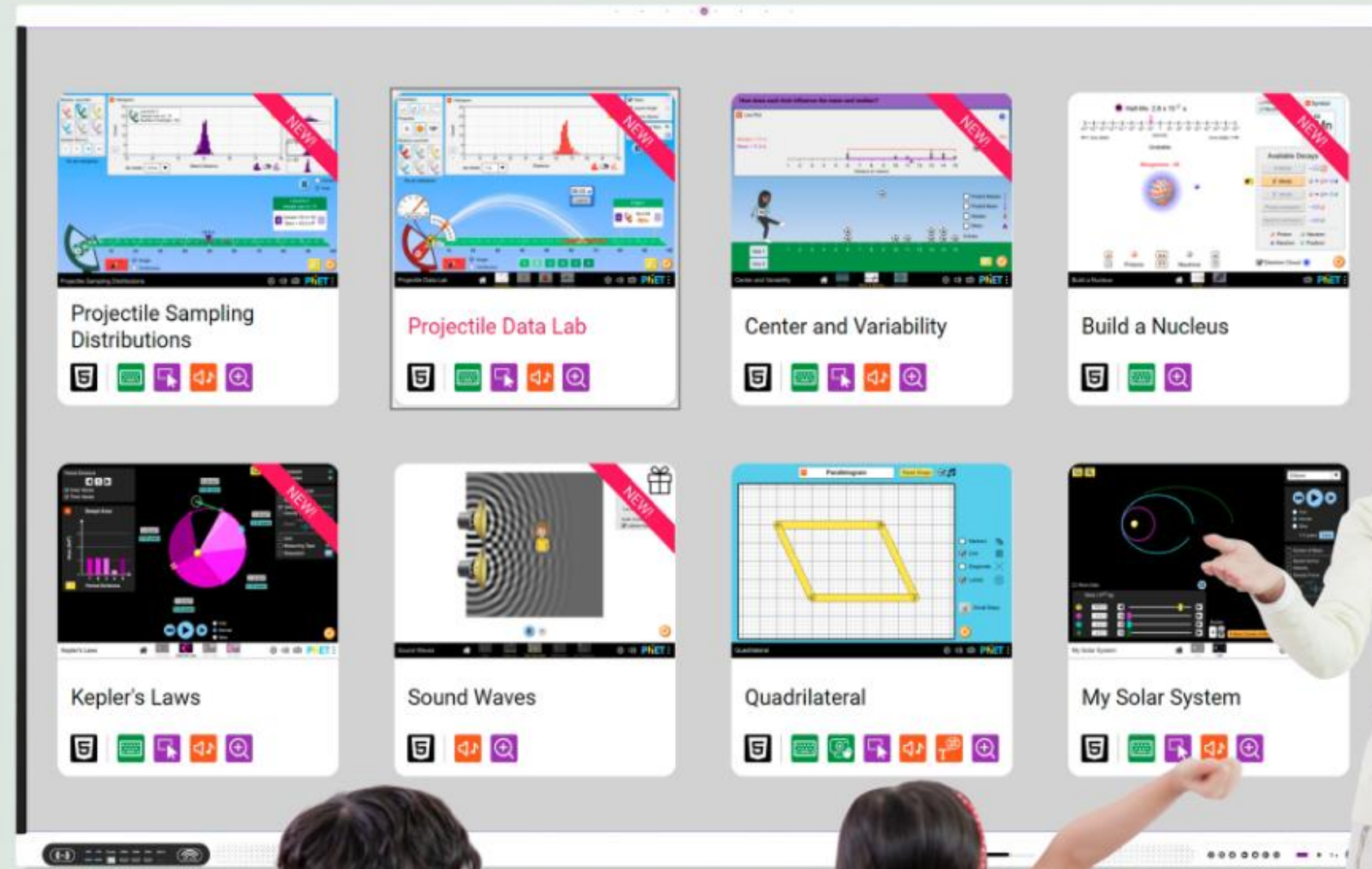
AI-powered pen tools, integrated into our Umind whiteboard software, offer unparalleled accuracy and intuitive functionality.





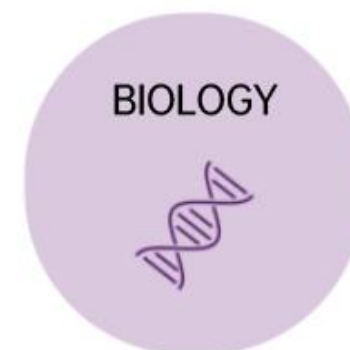
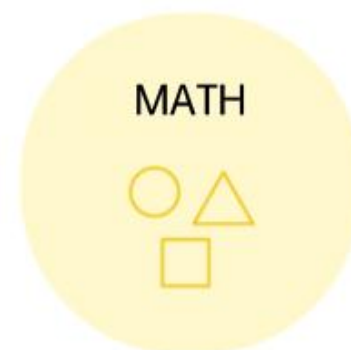
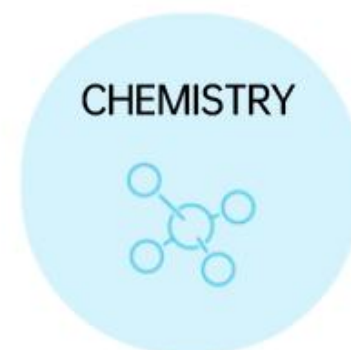
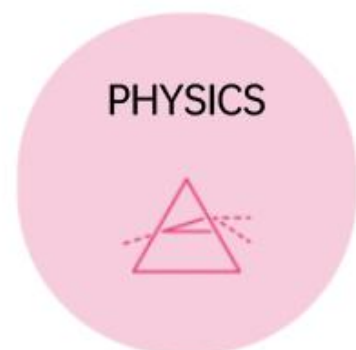
**Riotouch**  
More Interactive

# PhET™ INTERACTIVE SIMULATIONS



## Ignite Learning with RK3588 – Where Every Subject Shines

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

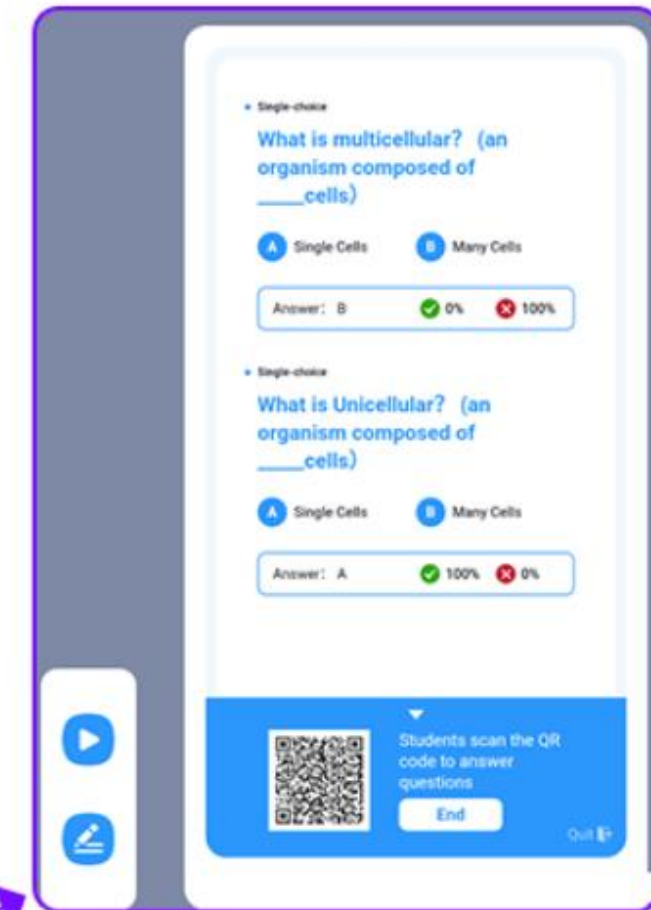
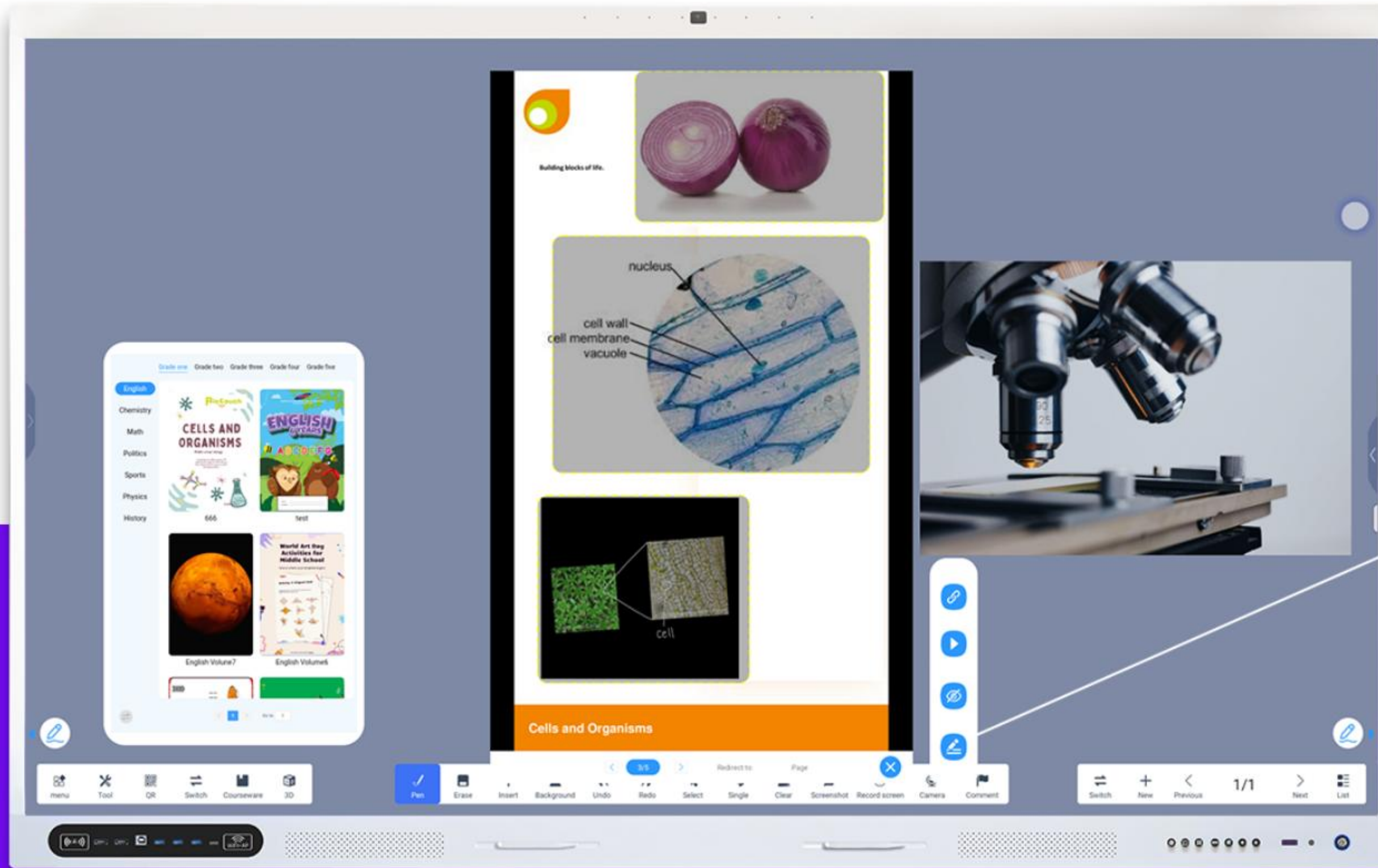




# Empowering Education, Amplifying Insights

- Your gateway to a world of science and math

**Riotouch**  
More Interactive

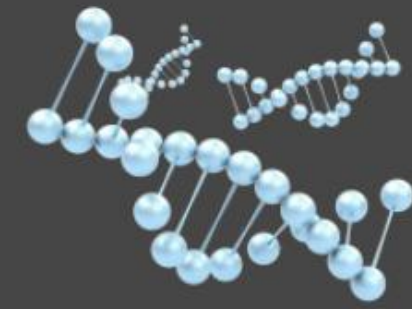


Quiz

From primary to higher education, our platform covers a wide range of subjects, igniting curiosity and fostering deep understanding. Customize your curriculum, create dynamic content, and contribute to a learning revolution that transforms teaching and empowers learners to achieve more."



# RK3588: The Core of Your 3D Vision Transform Ideas into Reality



## Natural Sciences

Anatomy and Physiology  
Geography and Earth Sciences  
Chemistry and Molecular Structure  
Biology and Ecology  
Astronomy and Space Science  
Physics and Mechanics



## Engineering and Technology

Engineering and Robotics



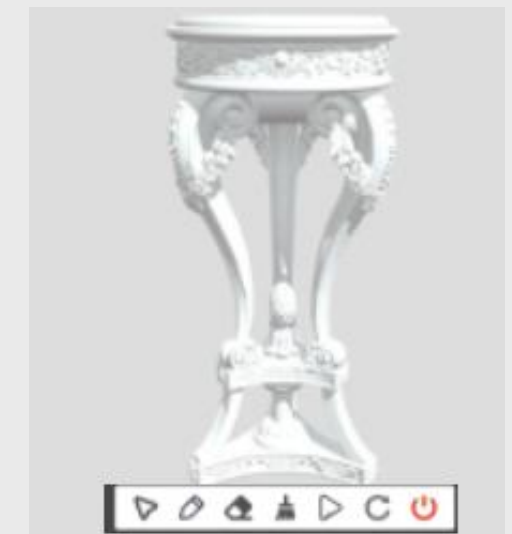
## Social Sciences

Environmental Science and Sustainability



## Mathematics

Mathematics and Geometry



## Arts

Art and Design



# The Power of Now In Every Update

Feel the power of now with every  
OTA update.

Immediate, impactful, and always  
improving.

admin Language

HOME Ota Manager

HOME / Basic Control / Ota Management

+ Add

machine type OTA name Q Search

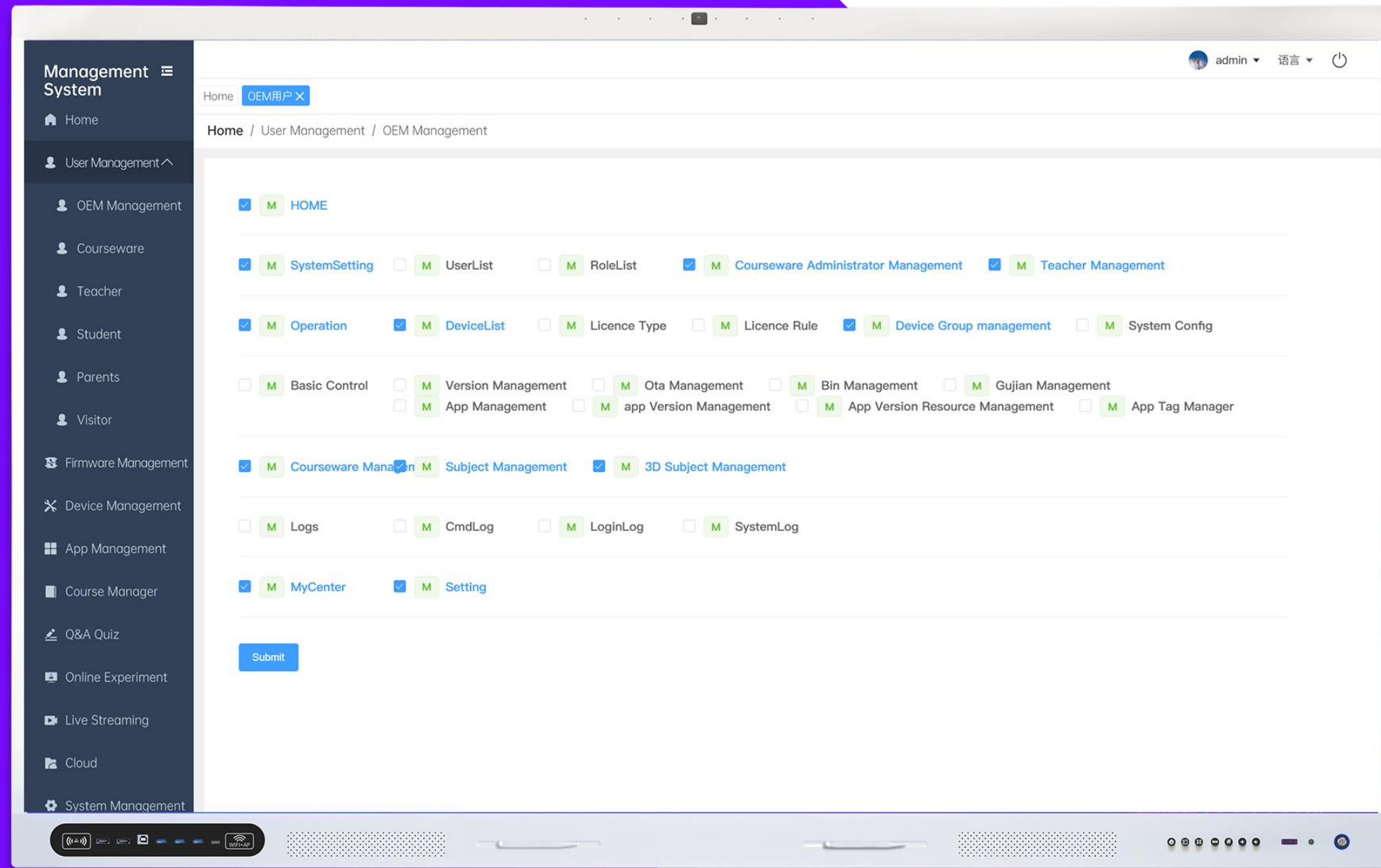
machine type	OTA name	version code	resource type	update method	add time	Operate
3588-test	update.zip	20240719.0857	Whole Packag	User Select	2024-07-01 20:07:43	Edit
311D2OTA升级	update.zip	20240705.1521	Whole Packag	User Select	2024-07-01 14:56:54	Edit
V100OTA升级	update.zip	348.20240606.1543	Whole Packag	User Select	2024-06-25 17:09:27	Edit
311D2-AN13-hsk	update.zip	20240620.2102	Whole Packag	User Select	2024-06-24 16:34:24	Edit
RK3588	update.zip	20240620.1440	Whole Packag	User Select	2024-06-19 17:02:03	Edit
3588OTA升级	update.zip	20240614.1810	Whole Packag	User Select	2024-06-14 20:22:12	Edit
3588OTA升级	update.zip	20240612.1002	Whole Packag	User Select	2024-06-14 09:15:28	Edit





# DMS-"Simplify, Streamline, Secure."

Secure your documents, smarten your management, and enjoy a seamless experience, all in one unified platform."



Easy Maintenance & Customization



Secured Document



Save Cost



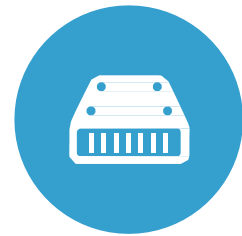
Recovering Files



Liberate Manpower



Remote Control



Save Storage



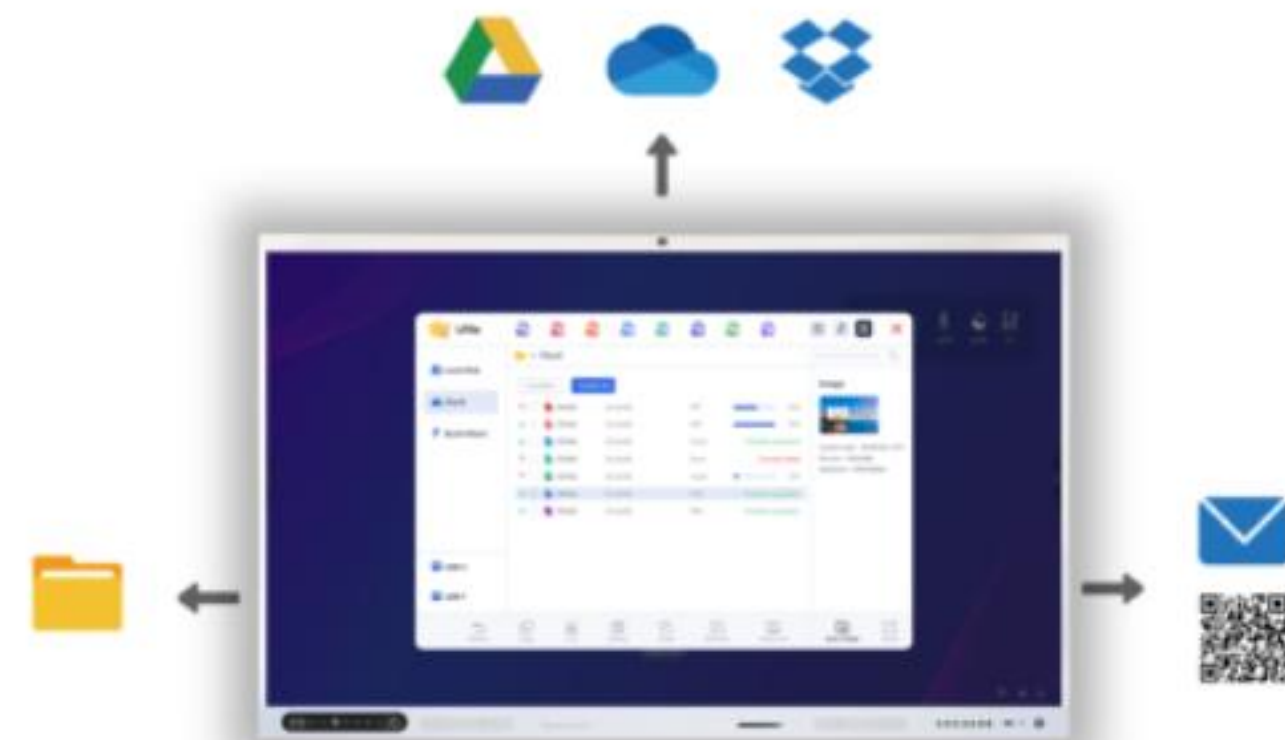
## Cloud Sync, Seamless Harmony

"Experience cloud sync like never before. Our service harmonizes with Google, OneDrive, and more, uniting all your data in perfect sync."

## Secure, Smart, and Social Cloud

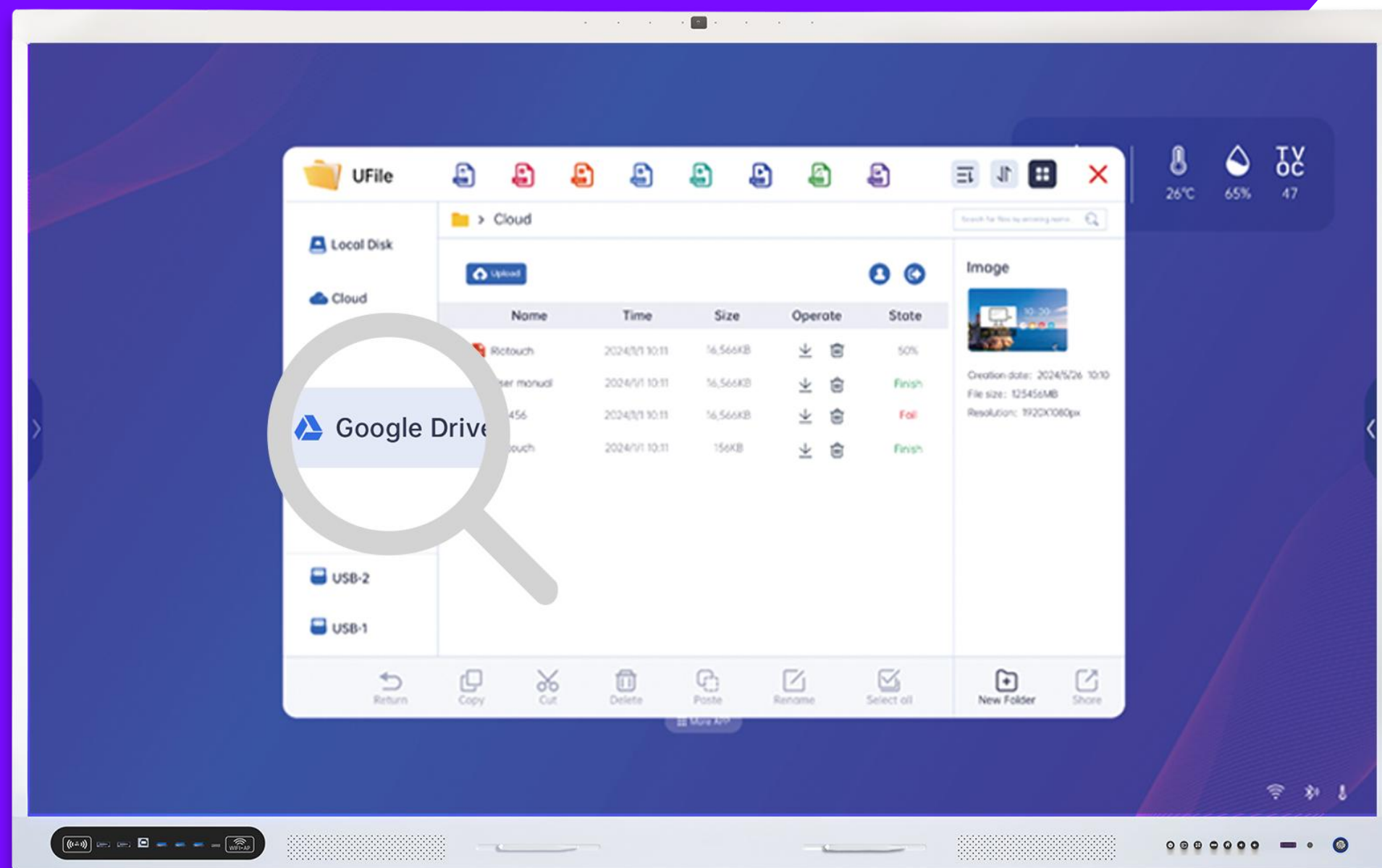


"Secure your data, smarten your access, and socialize your cloud experience. Our service supports Google, OneDrive, and more for a truly social cloud."





# Multiple user login



## Beyond the Drive, Into the Cloud

- Step beyond the drive and into the cloud with our service.
- Multi-user functionality meets Google, OneDrive, and other cloud giants.



# Beyond the Cloud Into the **Ecosystem**

Take your EDLA experience beyond the cloud and into the rich ecosystem of Google services.





More Interactive

# Overview of AI Application Areas and Functions

Conversational AI



## DeepSeek Integration

As an emerging language model, DeepSeek can enable intelligent conversational interaction after integration.

## Open AI/ChatGPT Integration

ChatGPT under Open AI is well - known. Its integration can bring rich creativity to PPT - making.





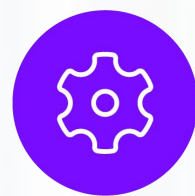
# Generative Educational AI

- Different grades
- Different difficulties
- Different types of questions
- Multiple questions

DeepSeek Google  $\Sigma x$  Function graph QA

Subject	Maths	Level	Skilled
Grade	1	Language	English
Quantity	1	Question type	Question type

Generate



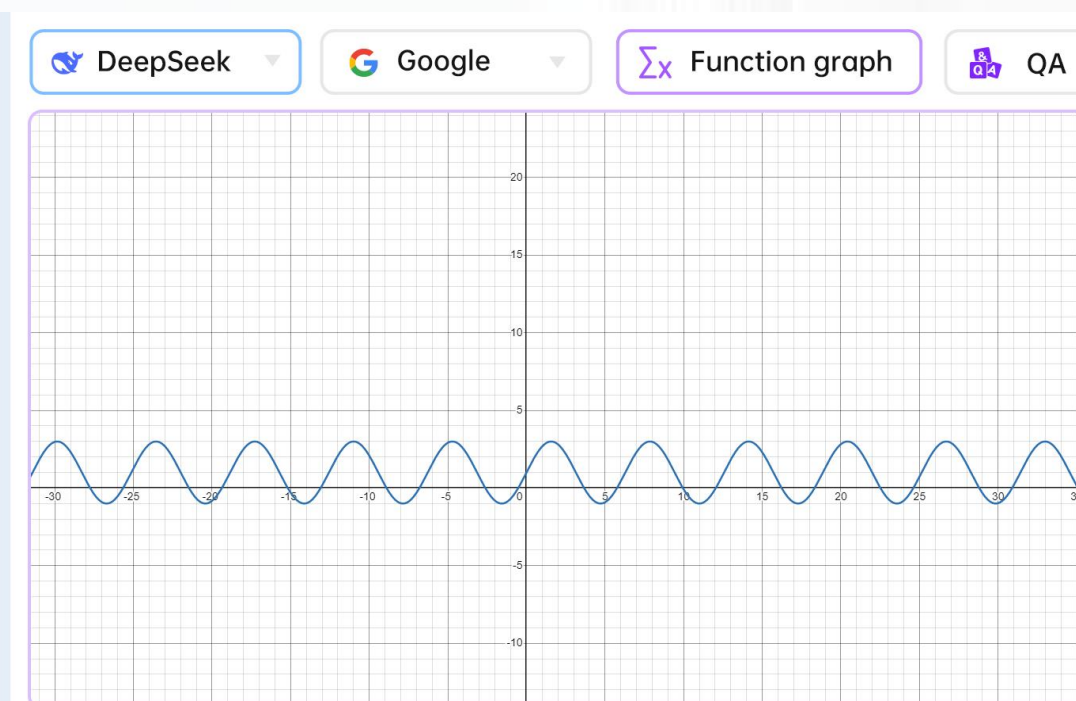
# AI Application in Teaching

- **Mathematical Formulas**

36px

$y=2\sin(x)+1$

AI



36px

CHL

AI

DeepSeek Google  $\Sigma x$  Function graph QA

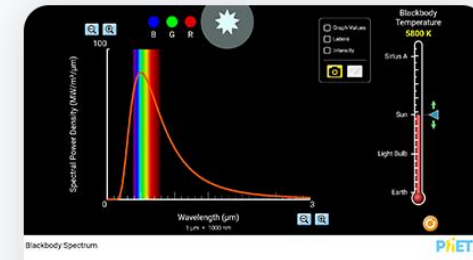
Synonym	Structure	Mol formula	Average Mass	# of Data Sources
magnesium;(5Z,10Z,15Z,1...		C <sub>20</sub> H <sub>24</sub> MgN <sub>4</sub>	344.745	0
magnesium;methyl (11Z,1...		C <sub>55</sub> H <sub>72</sub> MgN <sub>4</sub> O <sub>6</sub>	909.508	0
magnesium;methyl (11Z,1...		C <sub>55</sub> H <sub>70</sub> MgN <sub>4</sub> O <sub>6</sub>	907.492	0
Magnesium 3-[(2S,3S)-18-...		C <sub>34</sub> H <sub>34</sub> MgN <sub>4</sub> O <sub>6</sub>	618.973	0

- **Chemical Formulas**

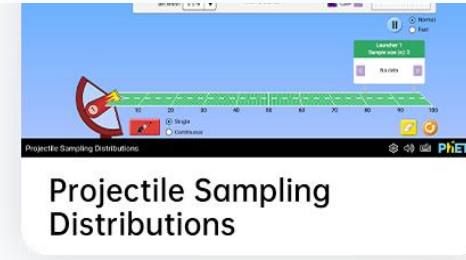


# AI Application in Teaching

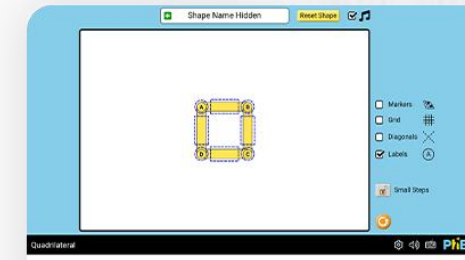
- **PHET Resource Integration**



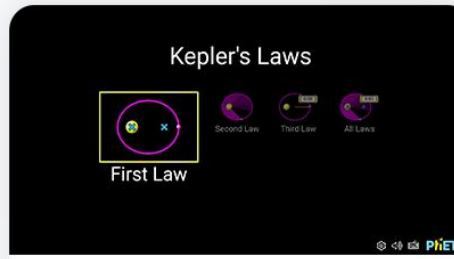
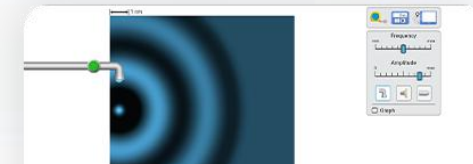
Blackbody Spectrum



Projectile Sampling Distributions



Quadrilateral



Laws



earth.glb

Meshes

- Sphere\_Sphere.001

Details

Vertices:	1,985
Triangles:	3,840
Size X:	9.49
Size Y:	9.50
Size Z:	9.49
Volume:	Calculate...
Surface:	Calculate...

Asset properties

generator:	Khronos glT...
version:	2.0

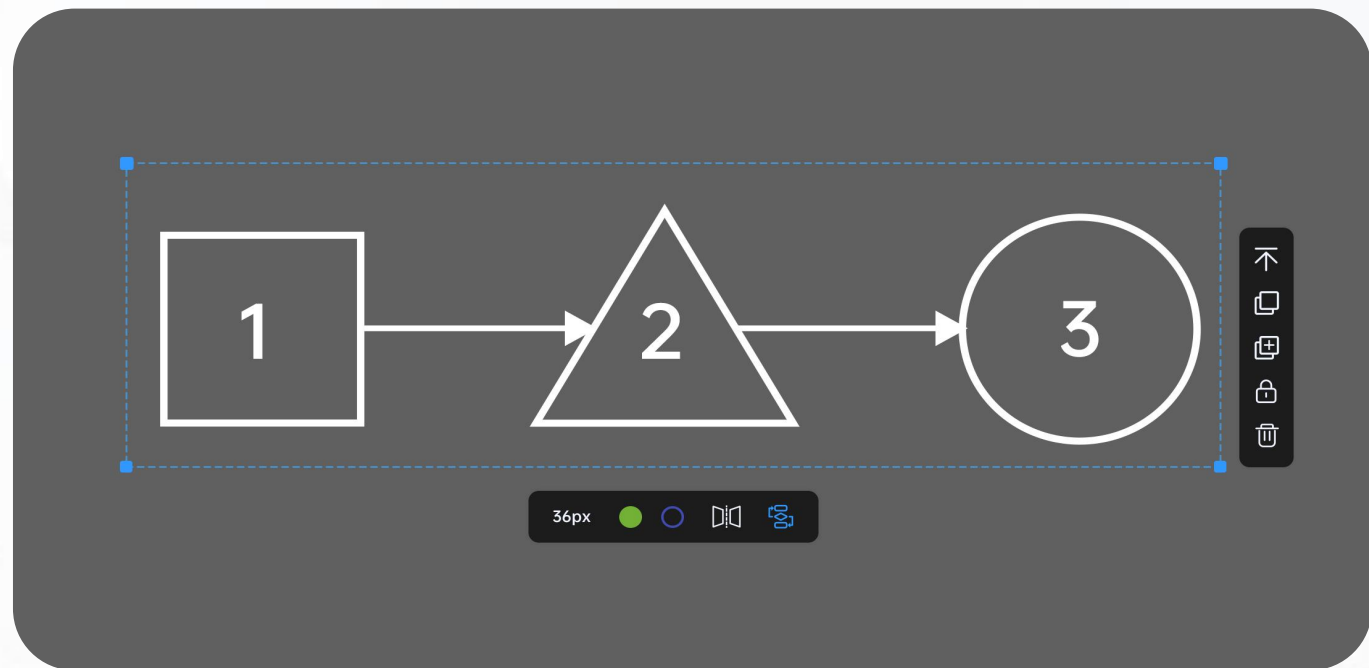
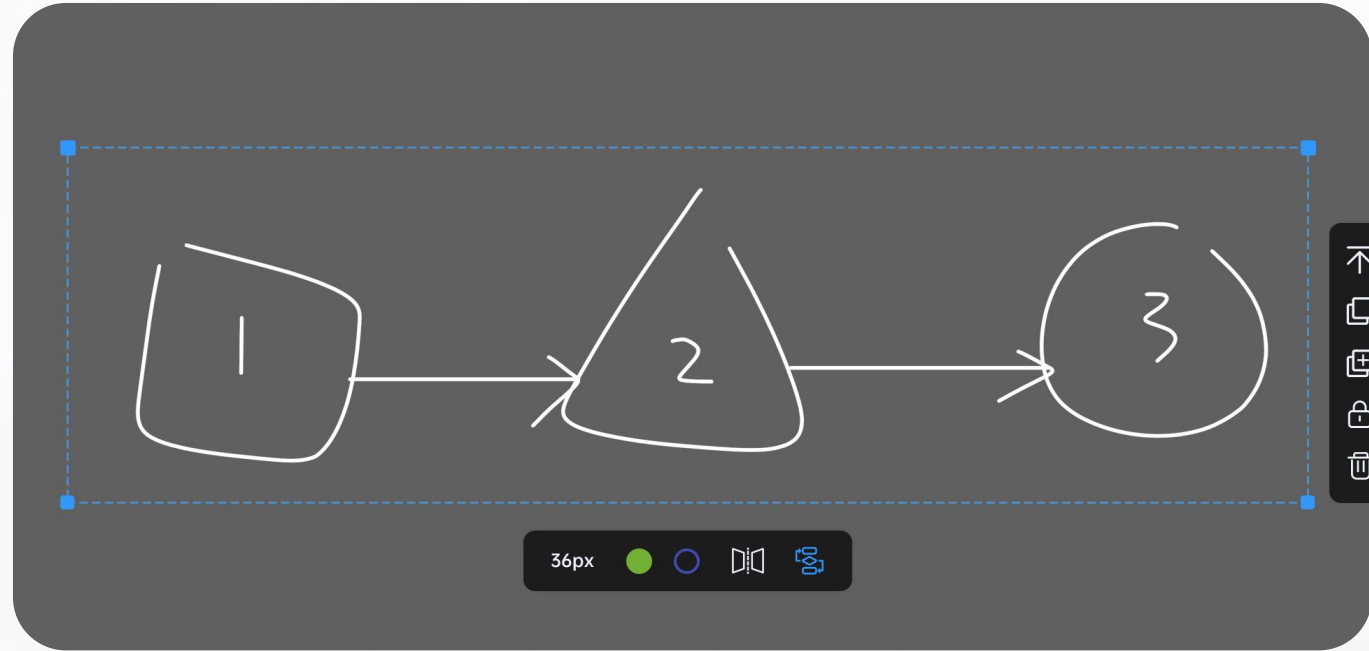
Materials (1)

- **3D Educational Resource Integration**

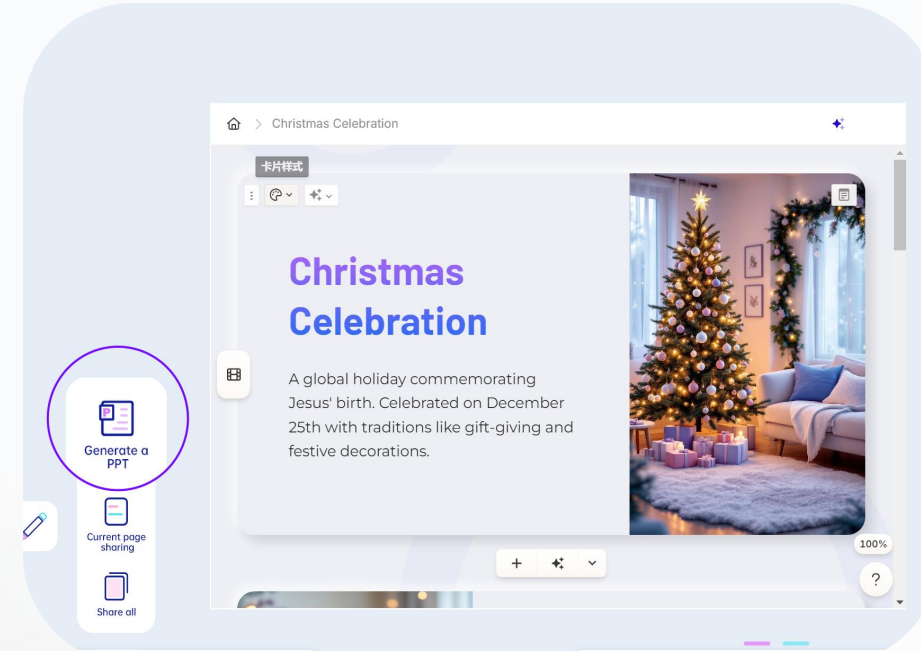




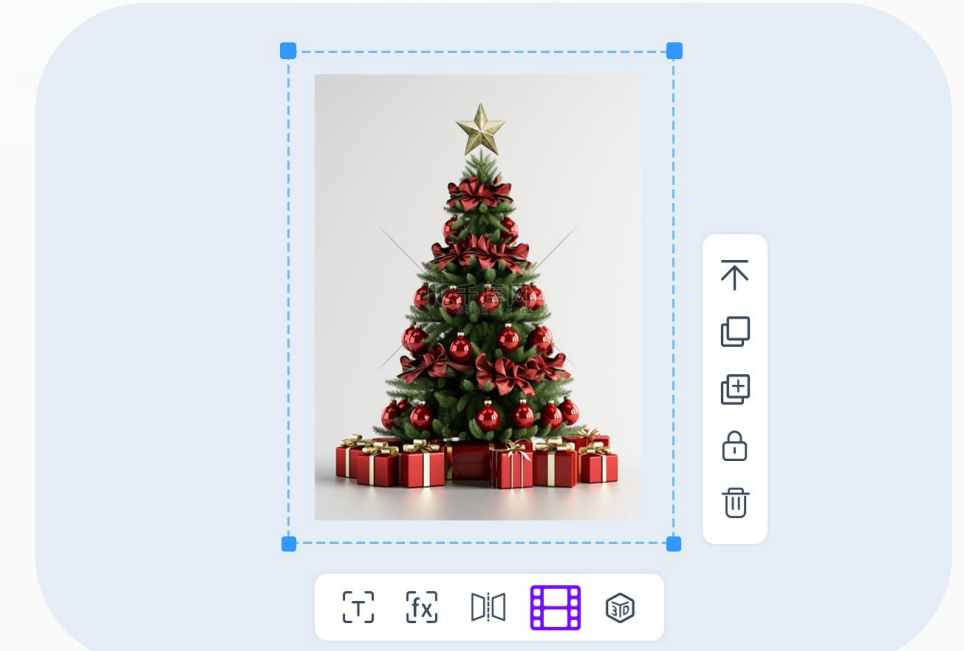
# AI Application in Business Meetings



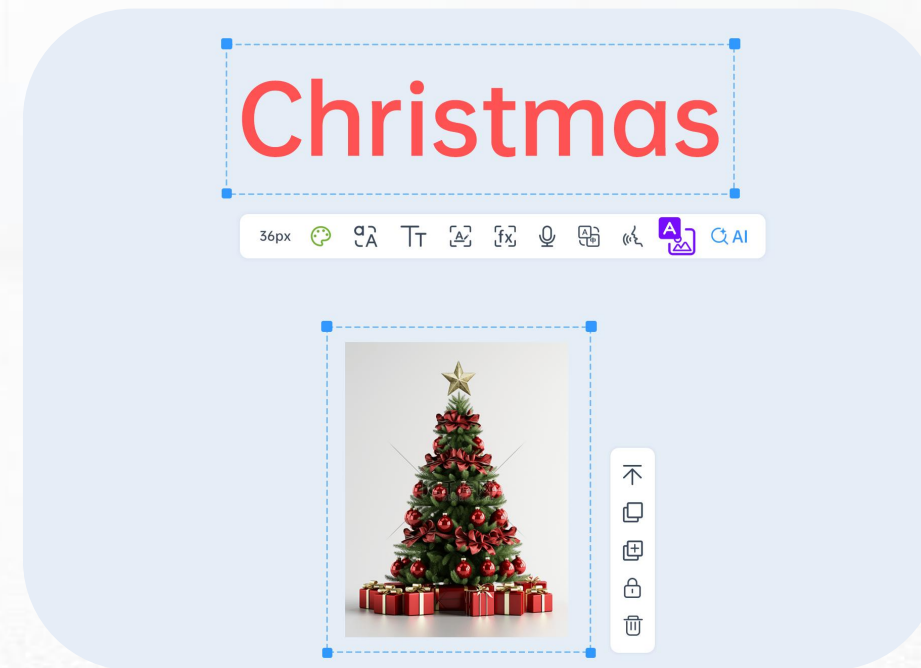
• Flowchart Generation



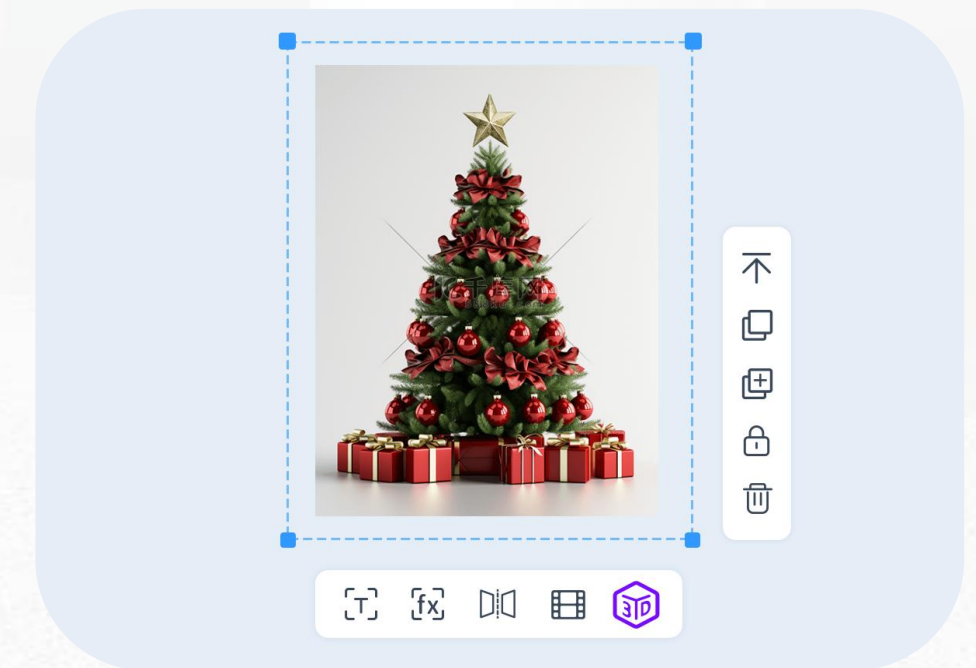
• PPT Generation



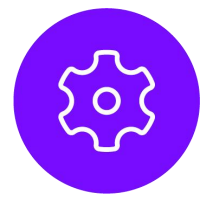
• Image - to - Video Conversion



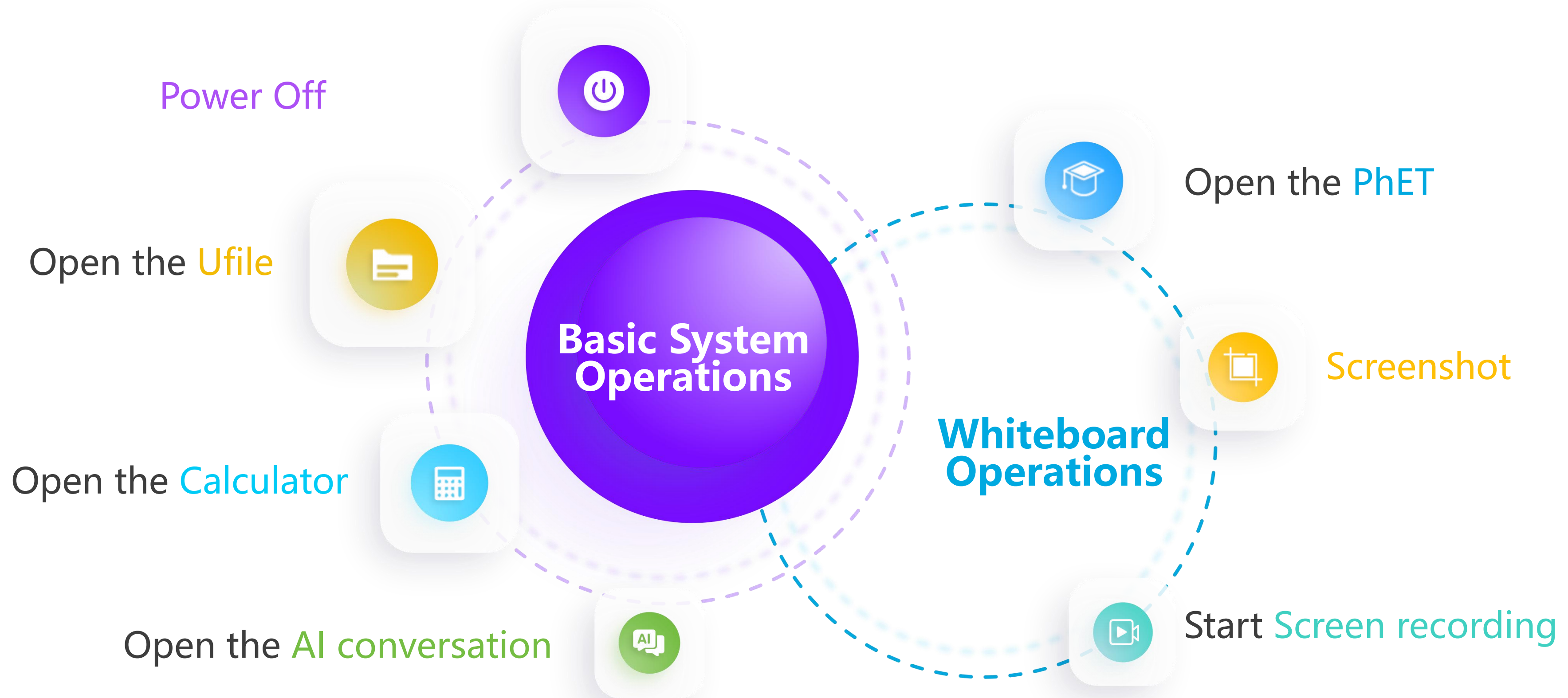
• Text - to - Image Conversion



• Text - to - Image Conversion



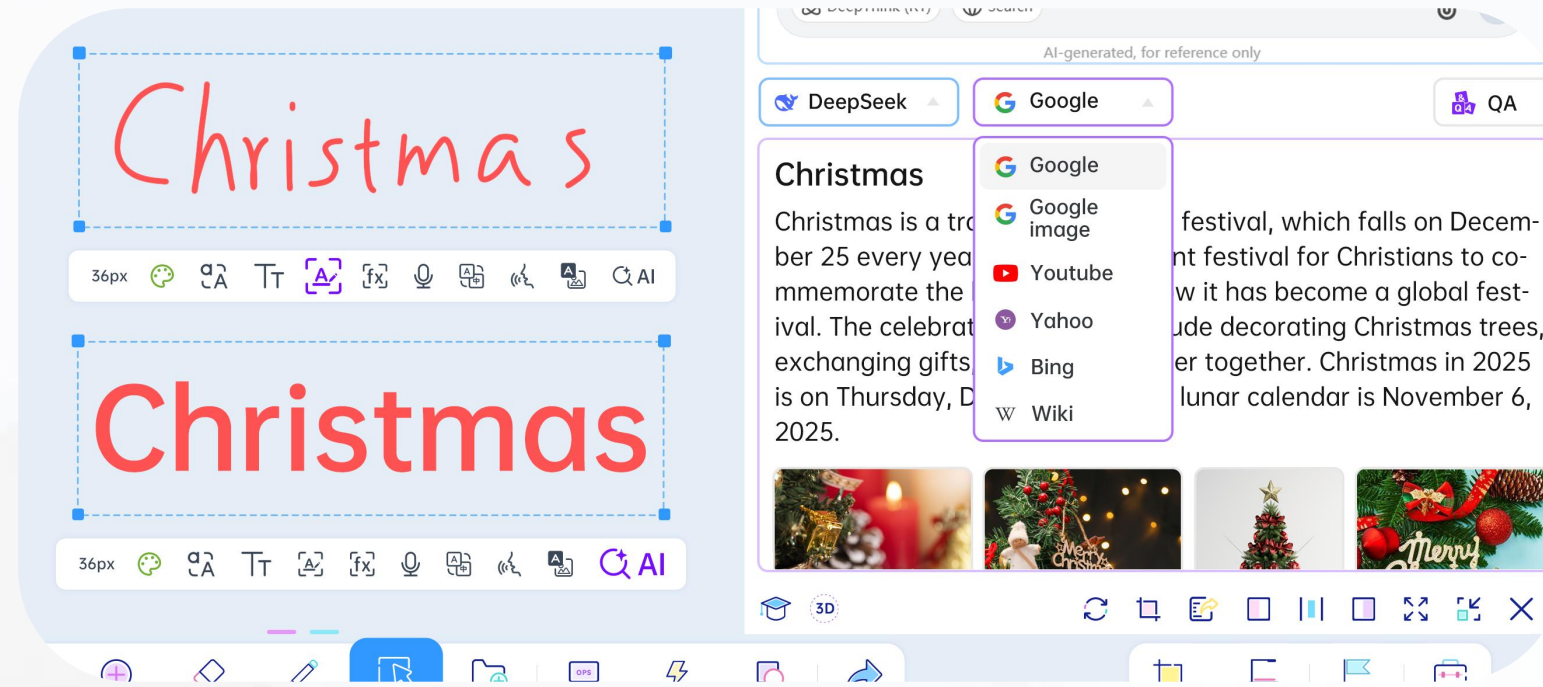
# Basic AI Functions — Offline Voice Commands



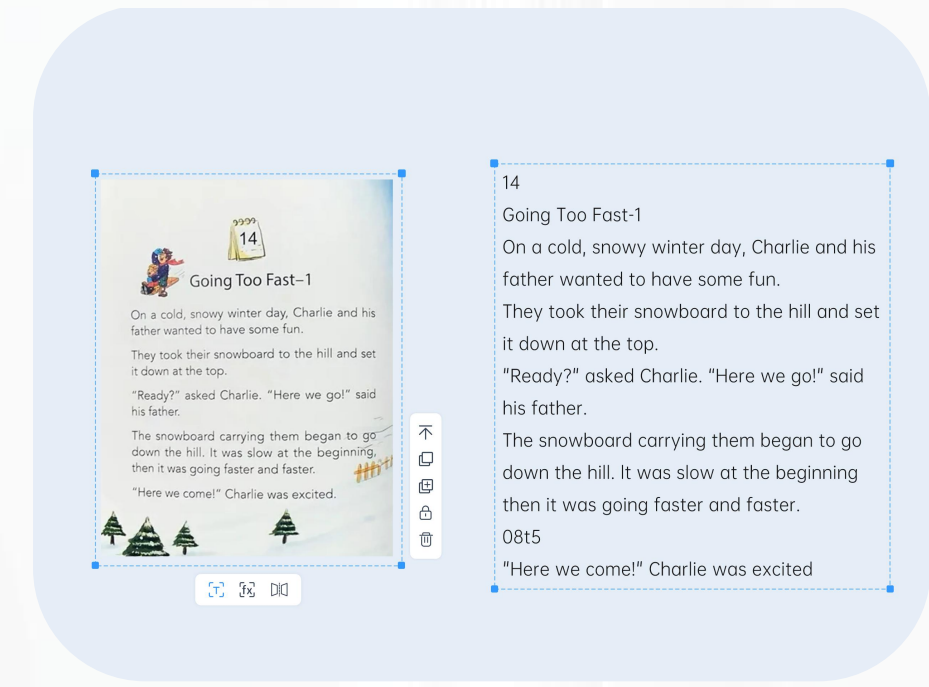


# Basic AI Functions

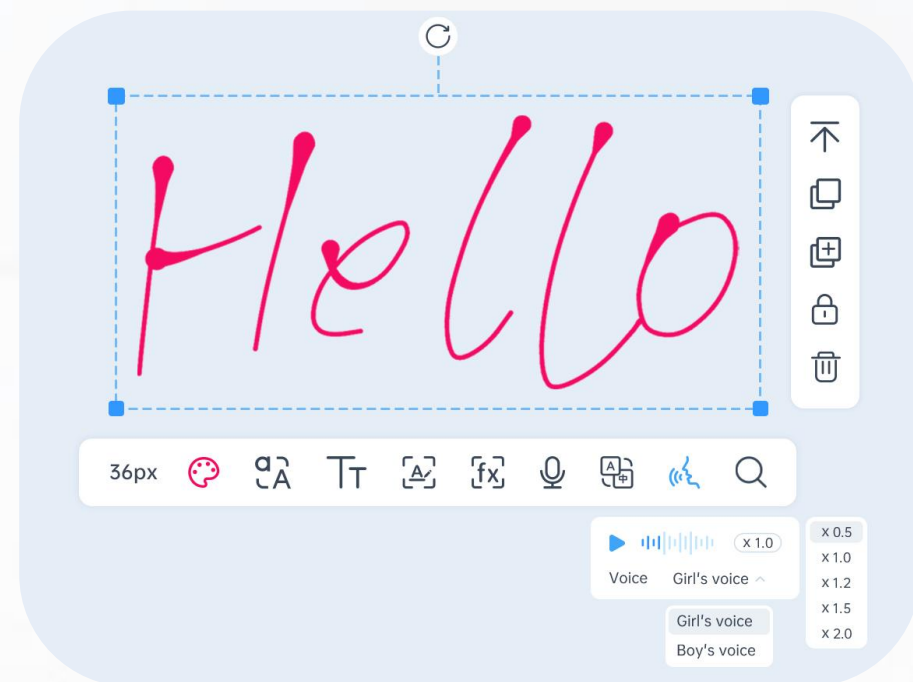
- Handwriting Recognition



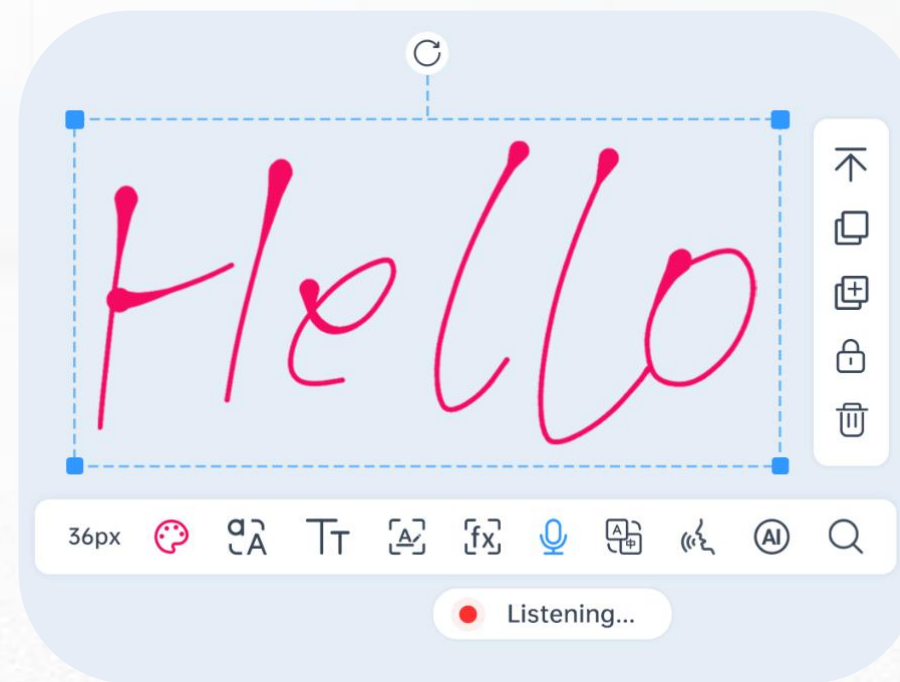
- Text Recognition



- Text - to - Speech (TTS)



- Speech - to - Text (STT)



- Multilingual Translation





# IR Touch Interactive Flat Panel Display-RK3588

Model		LTK86RK3588
Diagonal display size		86(inch)
Bezel color	Aluminum frame(White color)	√
Panel type	Ultra HD Direct type LED	√
Active area (mm)		1895.04 * 1065.96(V)
Resolution	3840*2160 /60hz	√
Pixel Pitch		0.4935 mm x 0.4935 mm
Hardness Glass	Mohs-7 level	√
Glass Panel	Anti-Glare glass with zero bonding	√
Aspect Ratio	16:9	√
Contrast Ratio	1200:1 (type)	√
Dynamic Contrast Ratio	4000:1	√
Brightness	General: 350cd/m2 Peak 500cd/m2	400cd/m2
Color depth	1.07 billion colors	√
Viewing angle	178°	√
Lifespan	50,000 hours	√
<b>Touch Type</b>		
Touch Technology	IR touch	√
Multi Touch	Max 40 points(Windows)	√
Multi Writing	Max 20 points(Windows)	√
Touch Precision	1 mm (over 90% Area)	√
Auto-Calibration	Yes	√
Anti-light	Yes	√
Minimum object size	2mm	√
Touch Response Time	First Point <2 ms, Continuation <8 ms	√
Supporting OS	Windows 7/8/10/11; Android; Mac; Linux; Chrome OS	√
<b>Sound</b>		
Front Speakers	20W*2	√
Subwoofer	20W*1	2.1
Total Power Amplifiers	≅ 60w	√
<b>Microphone</b>		
Type	Wide-area microphones	√
Number of Microphones	8	√
Auto switch (Windows/Central)	Yes	√
Disconnectable	Yes	√
<b>camera</b>		
Number of images	4800M	√
Maximum resolution and frame rate	4208*3120(30fps)	√
FOV(Field of view)	120 °	√
<b>Front Side Connections</b>		
Front Ports	Full Function Type-C * 1 line; HDMI IN * 3 line; USB3.0*2; USB-B*1	
Front Keys	Power on/off; Signal source; Setting; ECO; Menu; Volume down; Volume up	
NFC		√
Fingerprint		√
		PM2.5(3 in 1 sensor),heat sink,pen holder