

NB SERIES

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

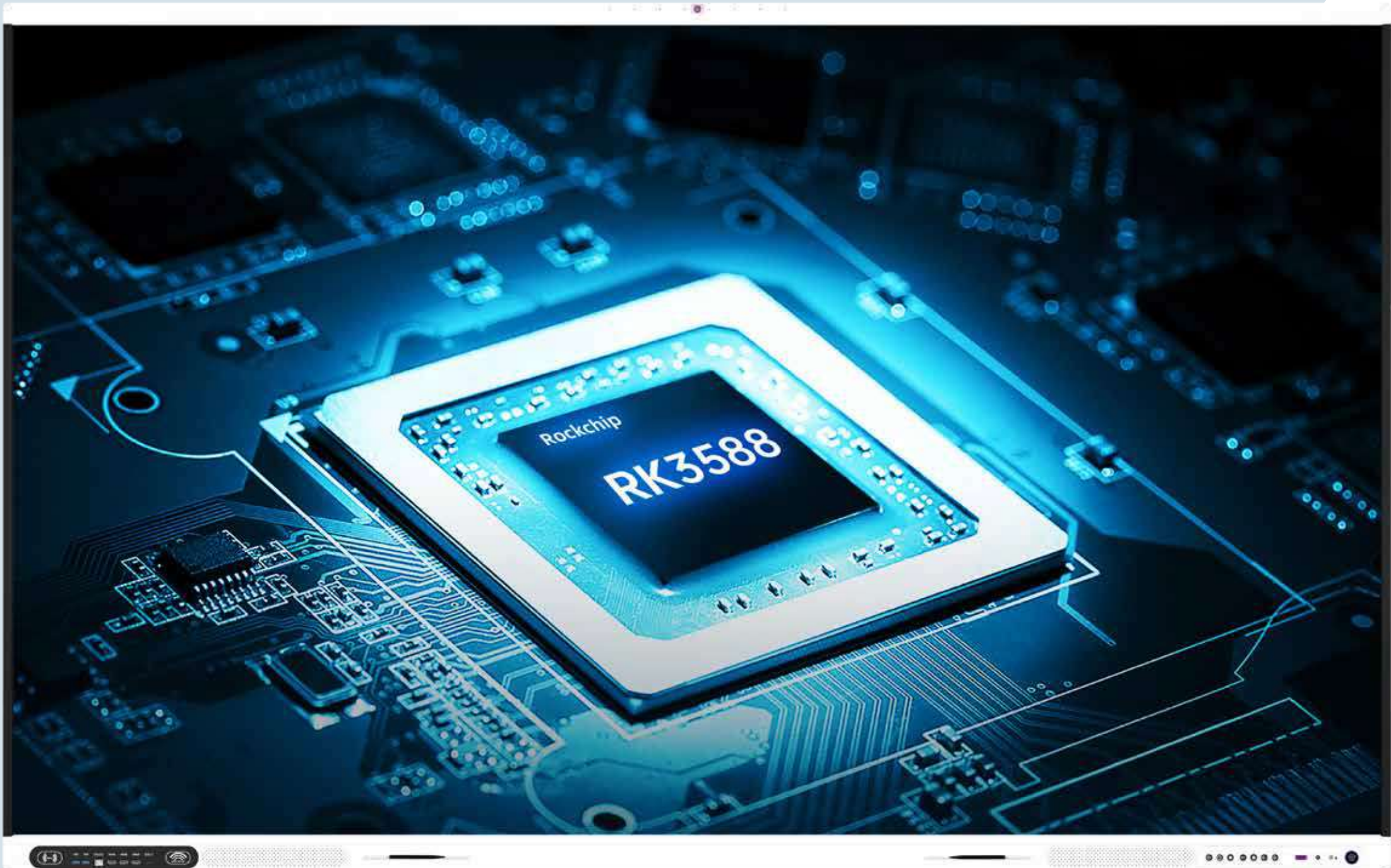
High-Performance, meet Interaction

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

NEWHUB
SMART



Best Performance Interactive Screen For Education And Business



8nm
Lithography Process

Octa-core
CPU

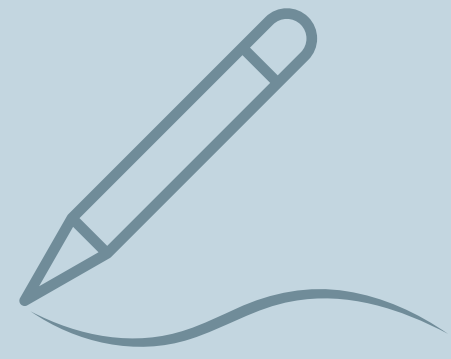
2.4GHz
Frequency

6Tops
Computing Power

8K Video
Video Decoding

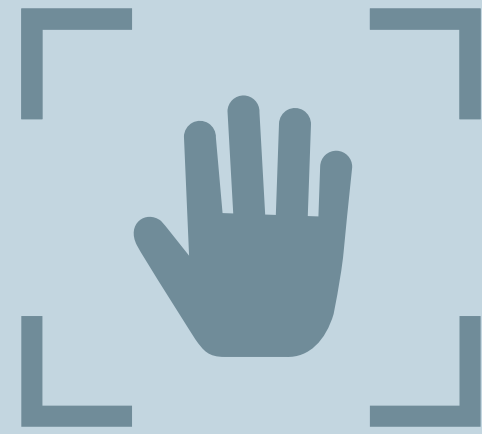
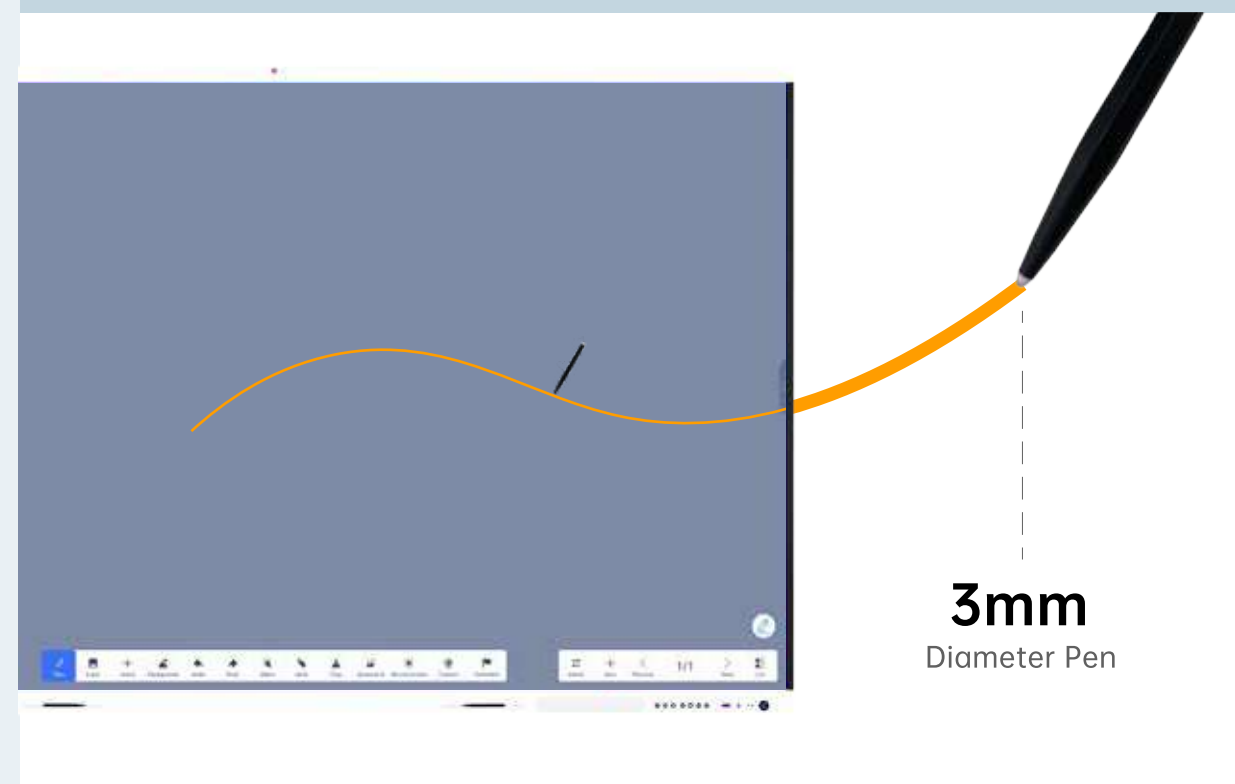
EDLA

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.



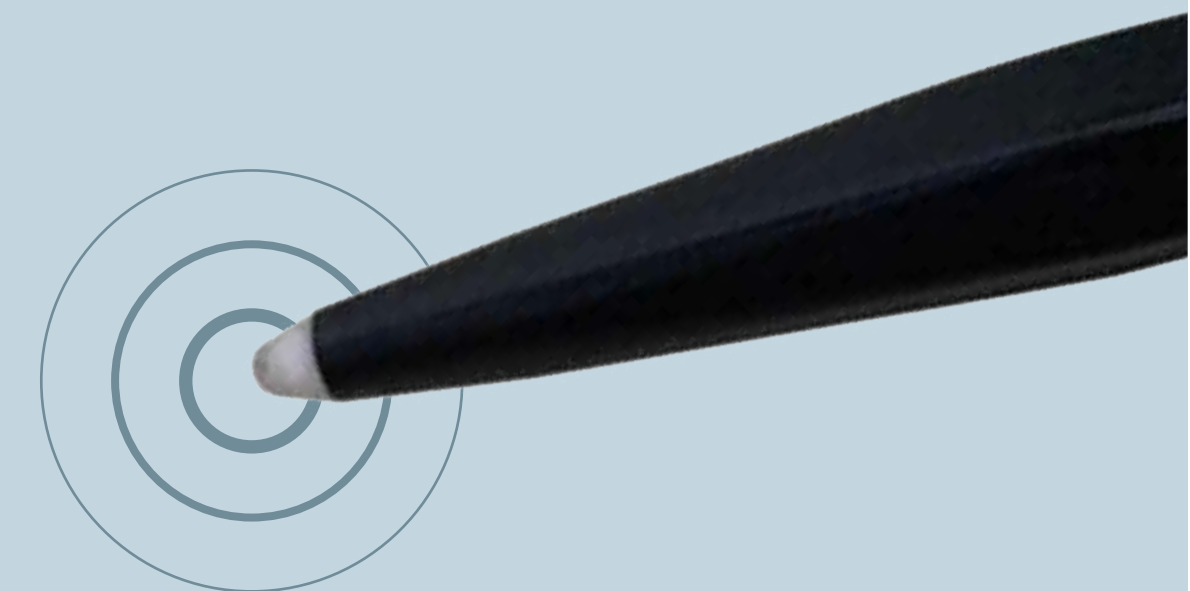
Palm Rejection

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



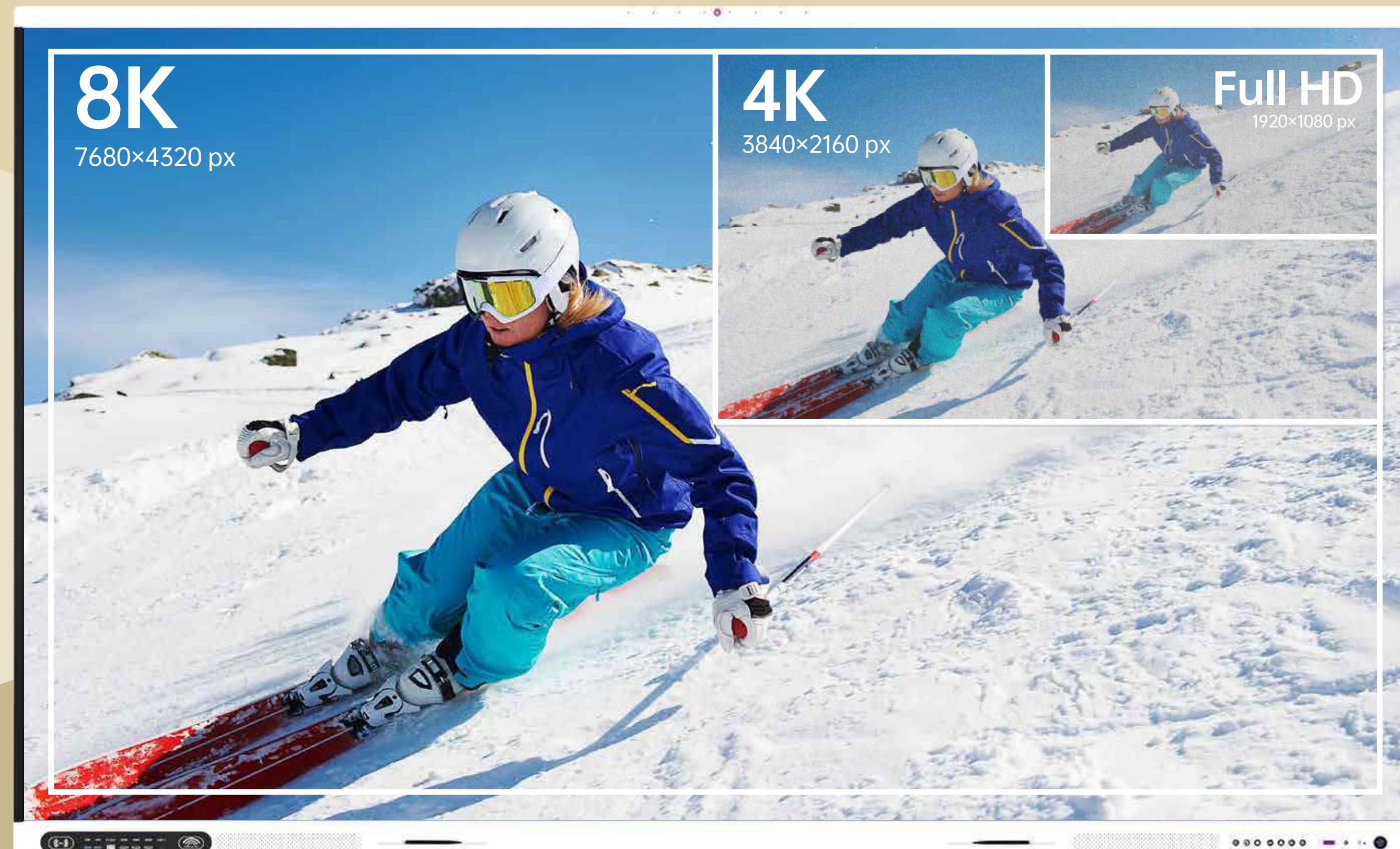
Touch

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.



0.8mm Air Gap at the edge

The Glass

0mm Air Gap at the center



8Array Microphones with speaker tracking

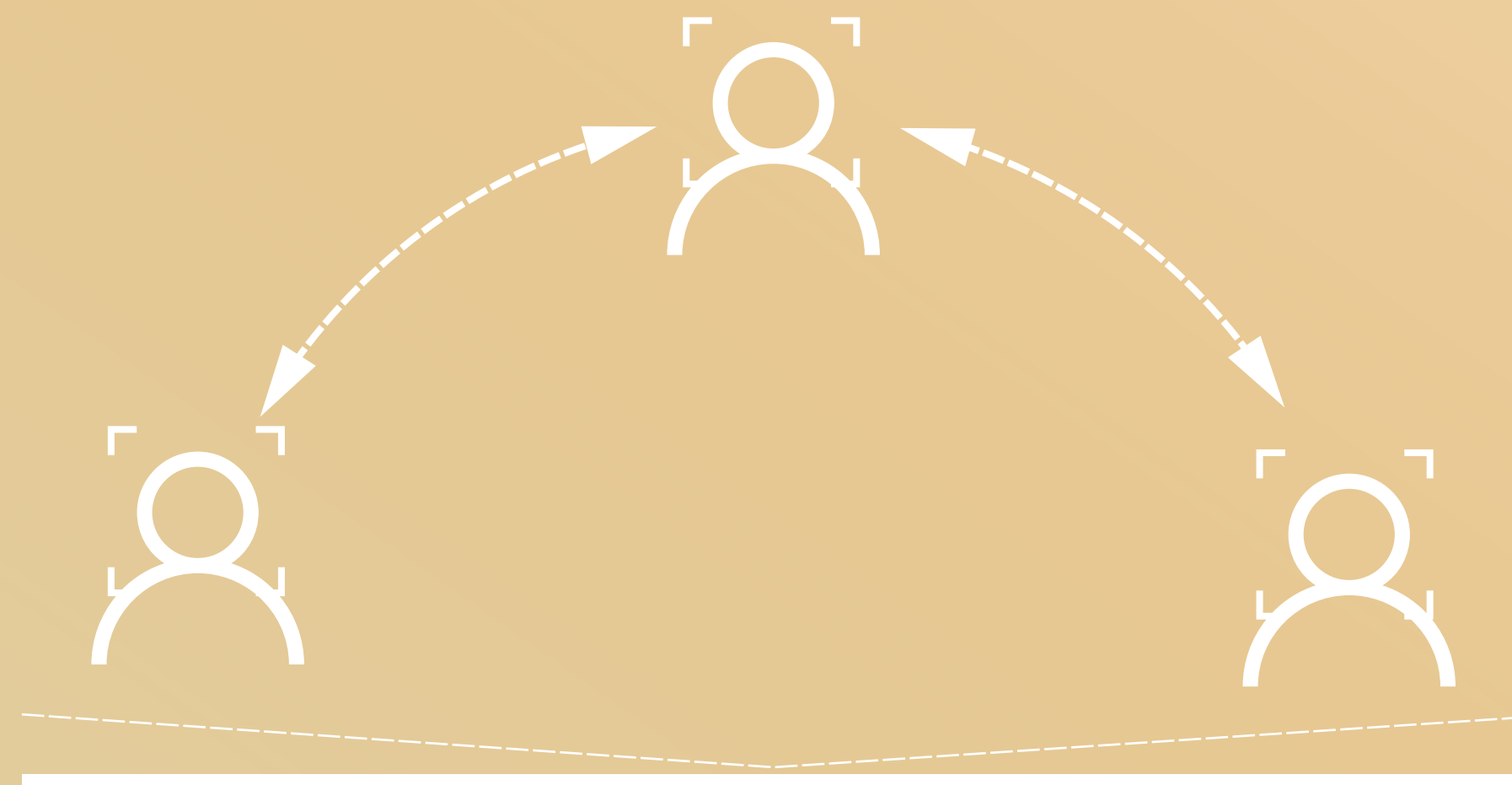
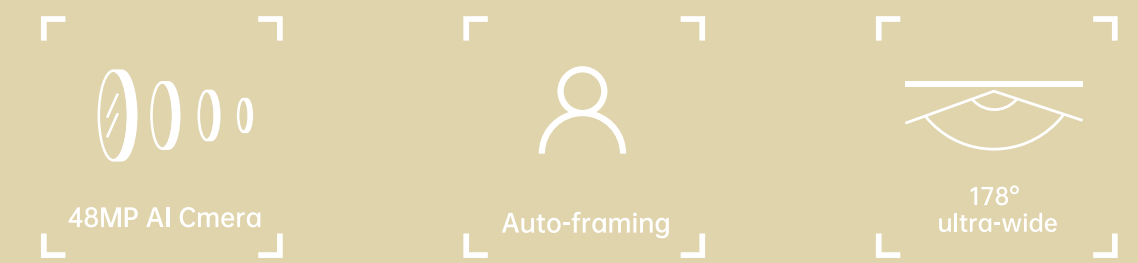
8 microphones and speaker-tracking technology locate the sound source in real-time, ensuring the speaker is always the center of attention.

8Ar 10 AI oeato



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.

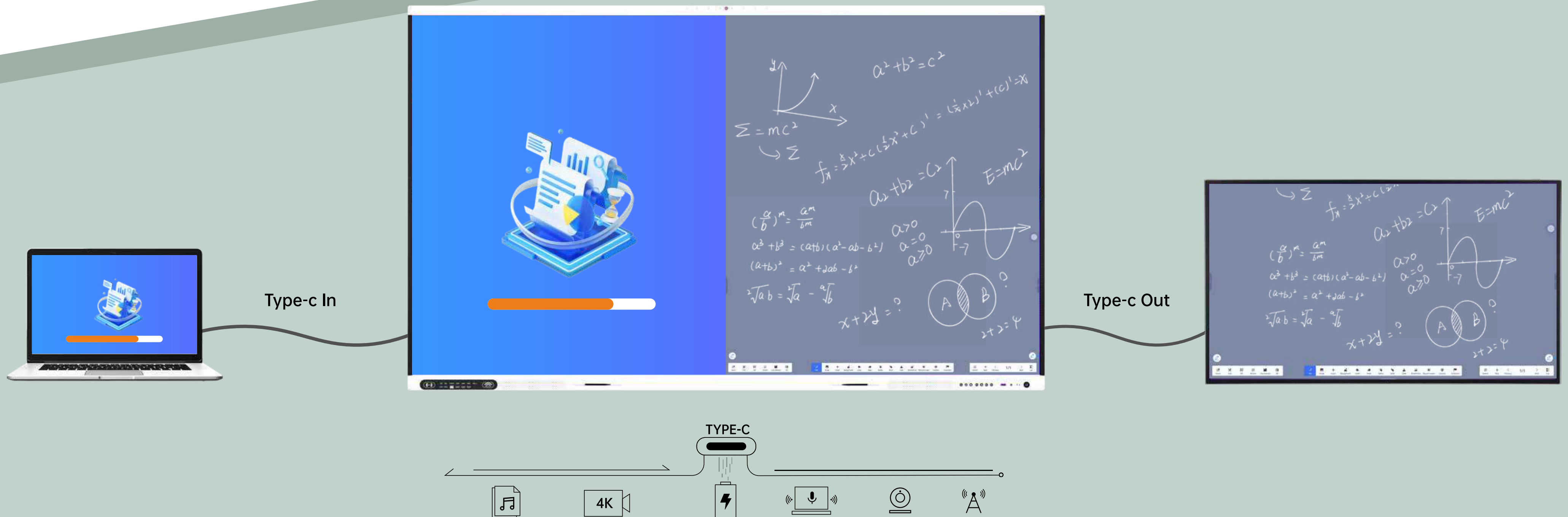


Multiple Ports



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.



Transform Images into Actionable Insights



Import pictures

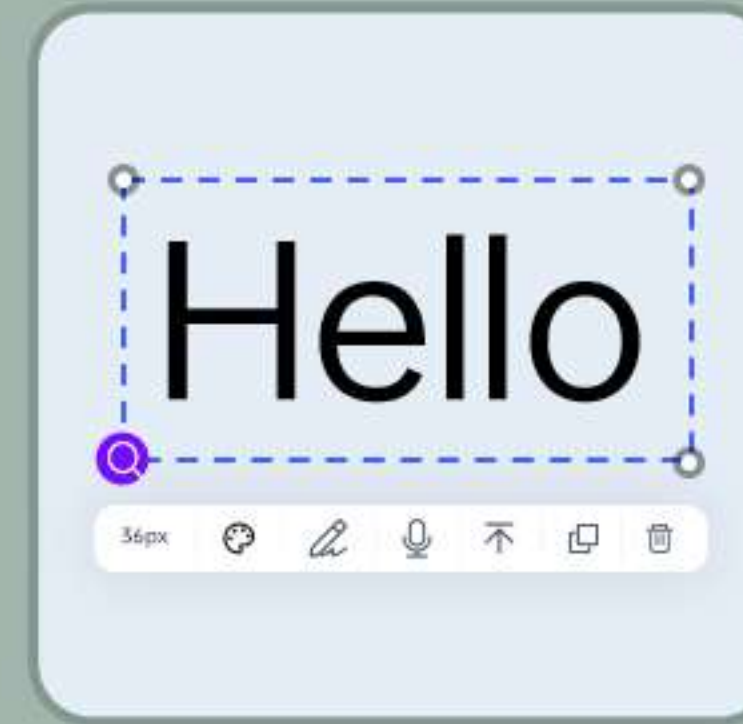
From Image to Insight

"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



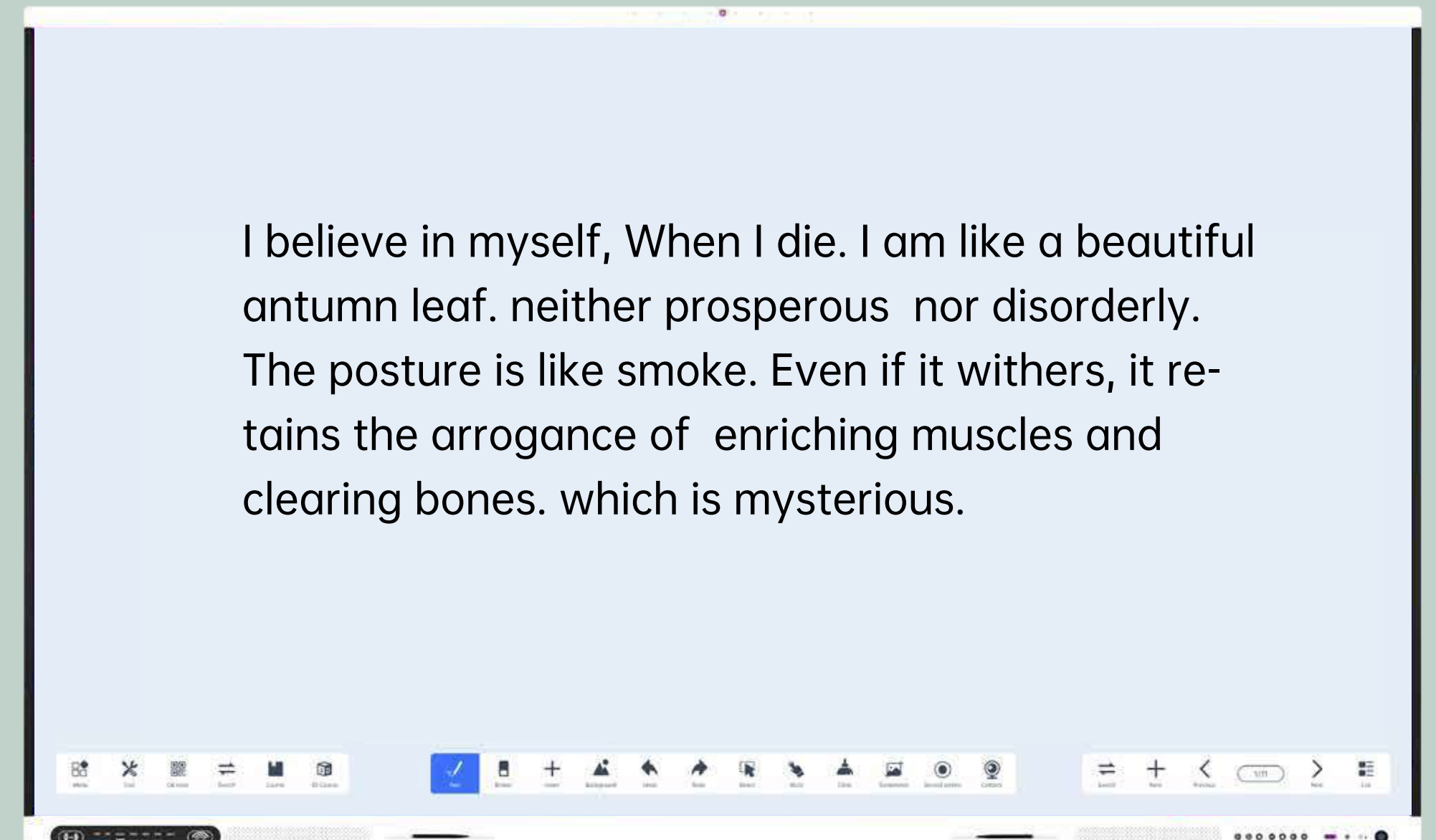
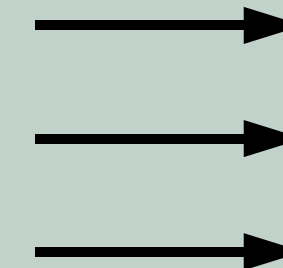
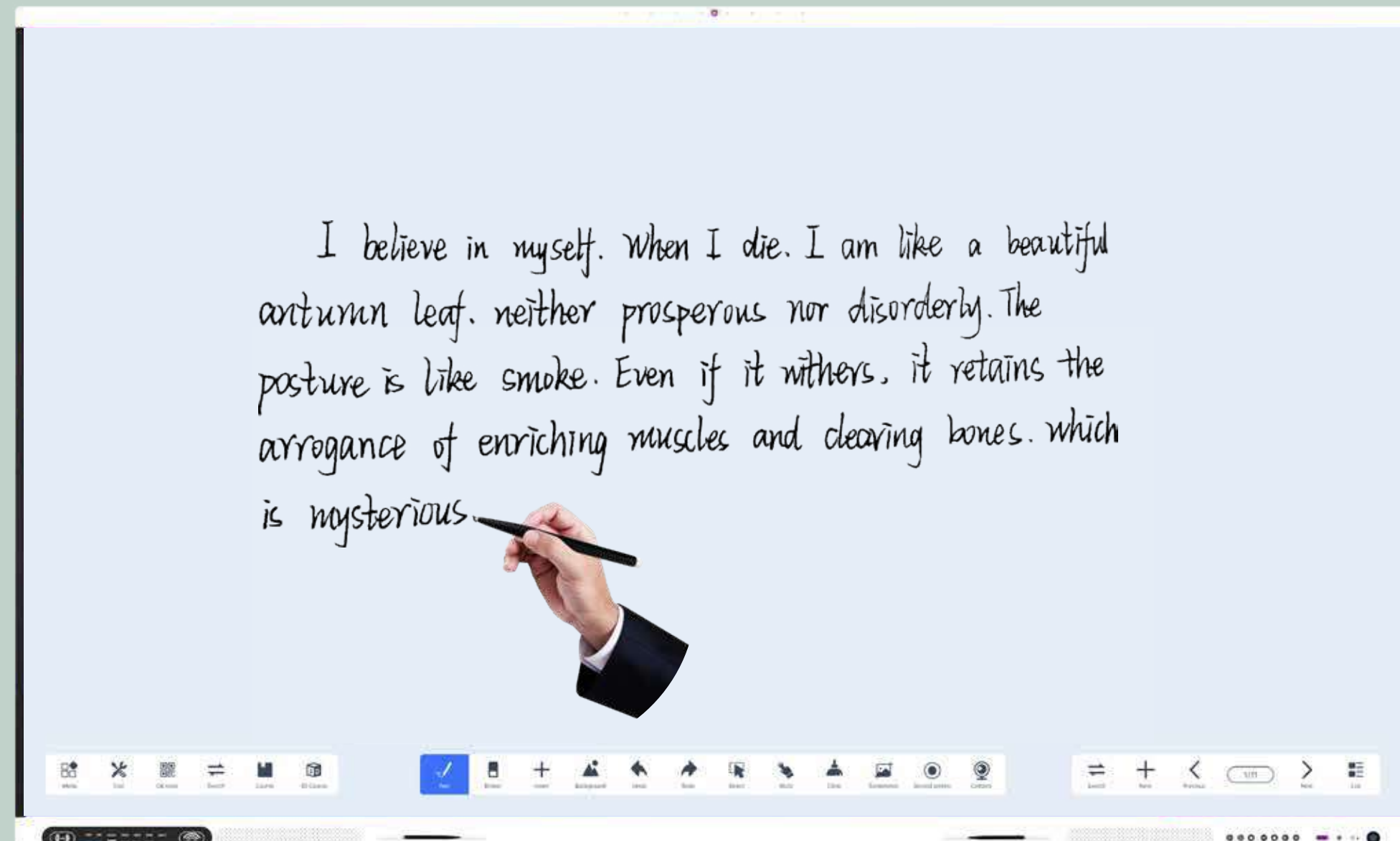
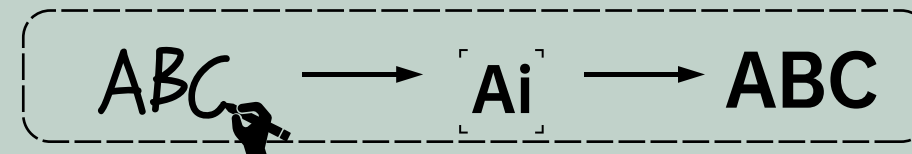
Object handling



Google search

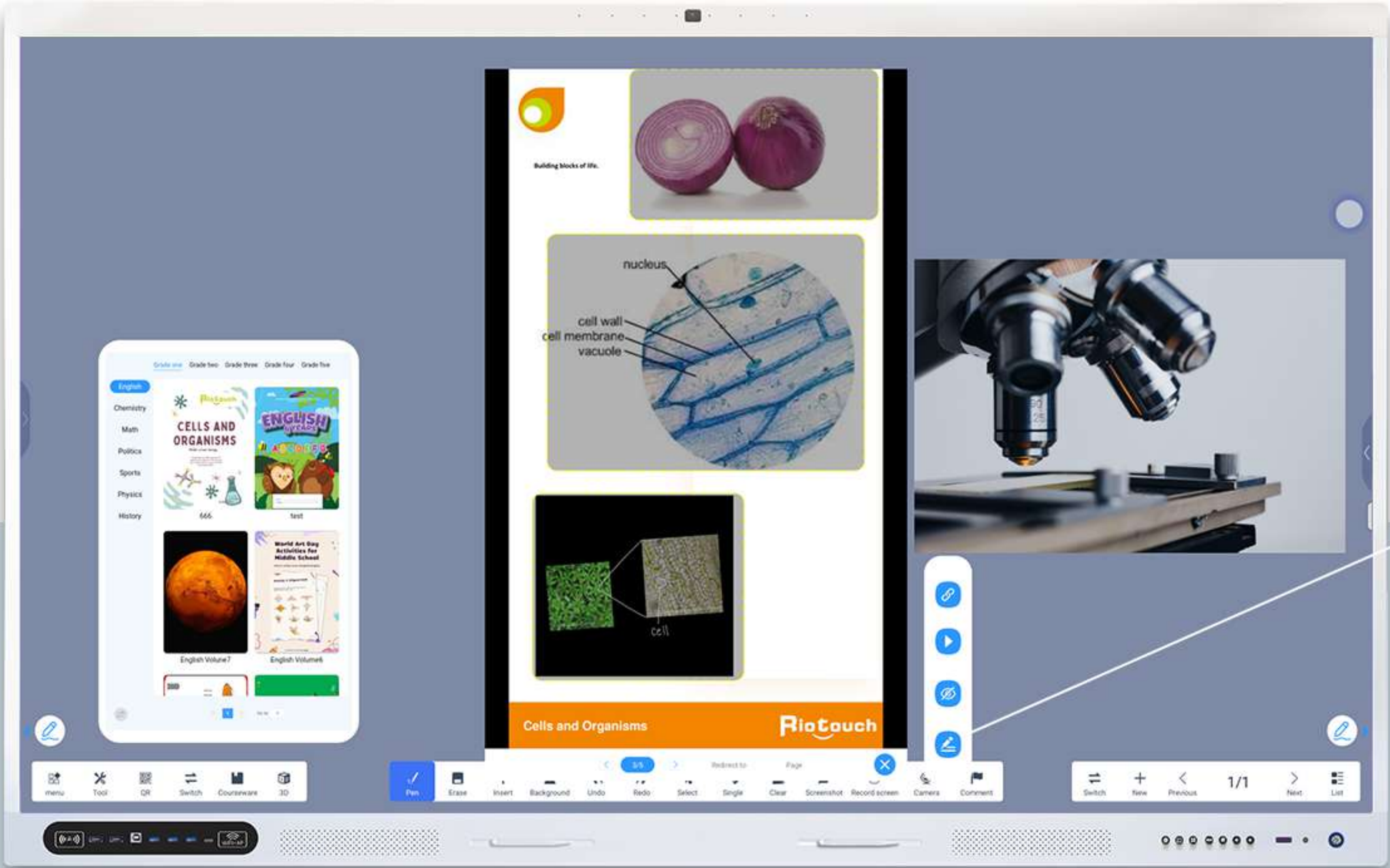
Transform Your Writing with Umind Advanced AI Pen

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



Empowering Education, Amplifying Insights

– Your gateway to a world of science and math



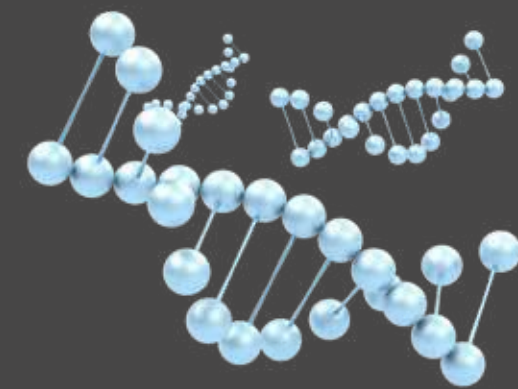
Courseware Function-Ucourse



Quiz

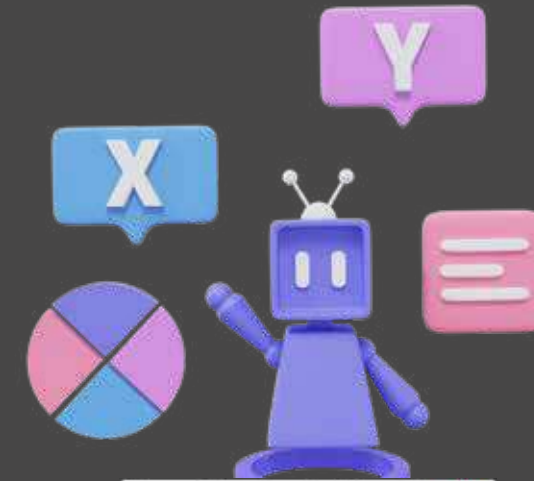
From primary to higher education, our platform covers a wide range of subjects, igniting curiosity and fostering deep understanding. Customize your curriculum, create dynamic content, and contribute to a learning revolution that transforms teaching and empowers learners to achieve more."

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

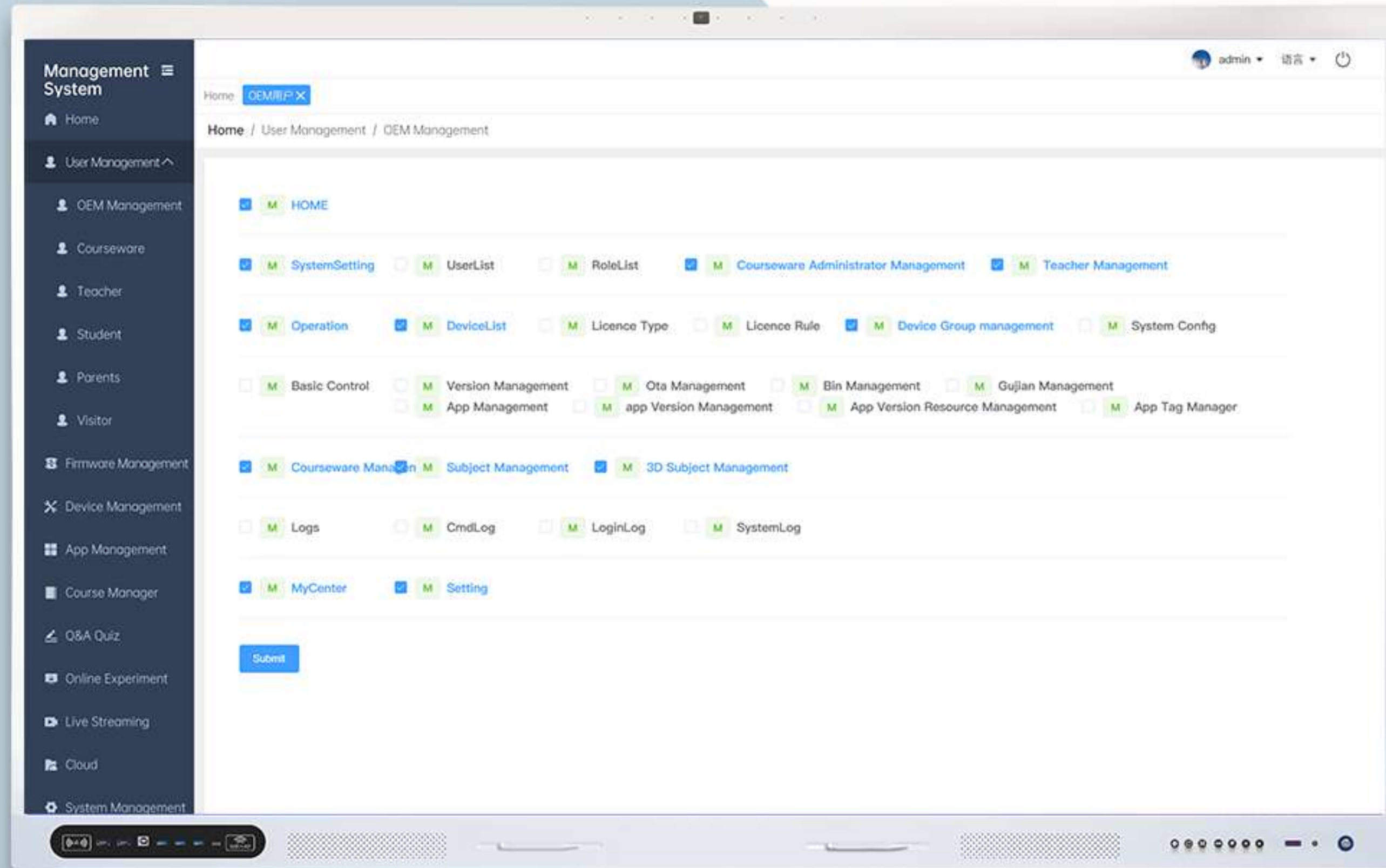


Arts

Art and Design

DMS-"Simplify, Streamline, Secure."

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



DMS



Easy Maintenance
& Customization



Secured
Document



Save Cost



Recovering Files



Liberate Manpower



Remote Control



Save Storage



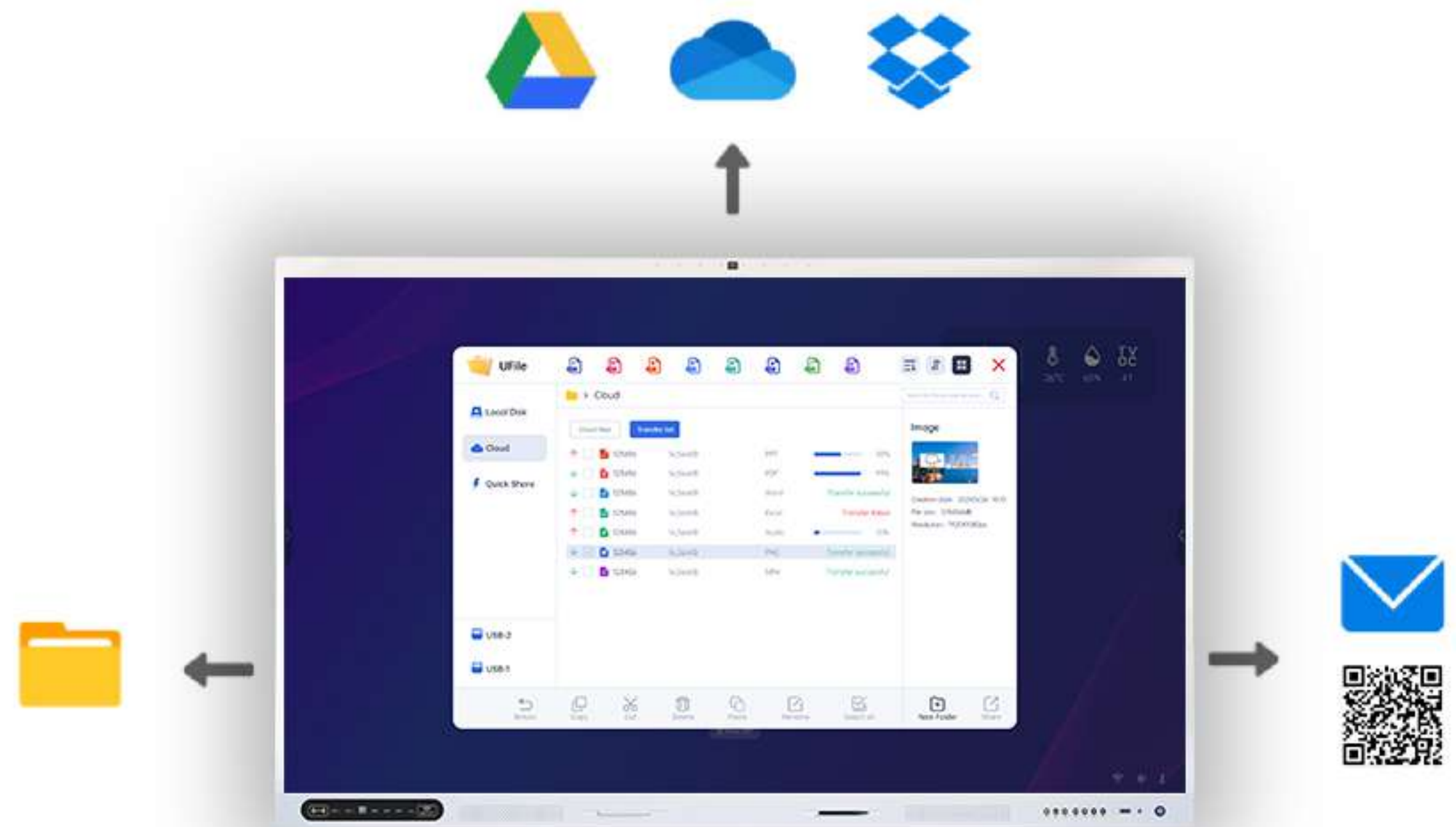
Cloud Sync, Seamless Harmony

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

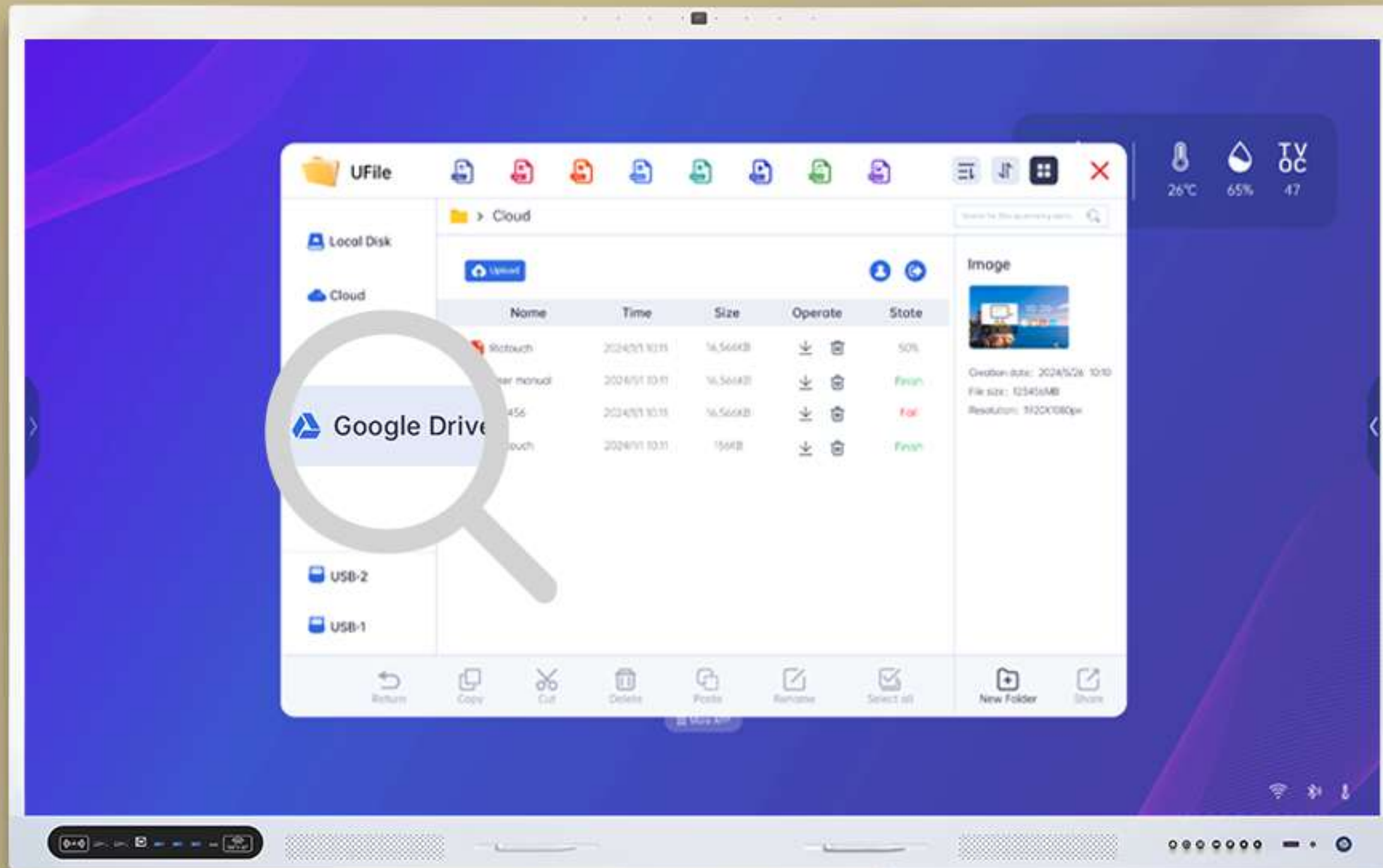
Secure, Smart, and Social Cloud



"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.

The Power of Now, In Every Update

Feel the power of now with every
OTA update.
Immediate, impactful, and always
improving.

The screenshot displays a web application interface for OTA management. The top right corner shows the user 'admin' and a 'Language' dropdown. The left sidebar contains a 'Management' menu with options like 'System', 'HOME', 'SystemSetting', 'Operation', 'Basic Control', 'Version Management', 'Ota Management', 'Bin Management', 'Gujian Management', 'App Management', 'app Version Management', 'App Version Resource', and 'App Tag Manager'. The main content area is titled 'Ota Manager' and 'Ota Management'. It features a search bar with 'machine type' and 'OTA name' filters, and a '+ Add' button. Below is a table with columns: 'machine type', 'OTA name', 'version code', 'resource type', 'update method', 'add time', and 'Operate'. The table contains several rows of update records, with the row for 'RK3588' highlighted.

machine type	OTA name	version code	resource type	update method	add time	Operate
3588-test	update.zip	20240719.0857	Whole Packag	User Select	2024-07-0 12:07:43	Edit
311D2OTA升级	update.zip	20240705.1521	Whole Packag	User Select	2024-07-0 11:45:54	Edit
V100OTA升级	update.zip	348.20240606.1543	Whole Packag	User Select	2024-06-2 5:17:09:27	Edit
311D2-AN13-hsk	update.zip	20240620.2102	Whole Packag	User Select	2024-06-2 4:16:34:24	Edit
RK3588	update.zip	20240620.1440	Whole Packag	User Select	2024-06-1 9:17:02:03	Edit
3588OTA升级	update.zip	20240614.1810	Whole Packag	User Select	2024-06-1 4:20:22:12	Edit
3588OTA升级	update.zip	20240612.1002	Whole Packag	User Select	2024-06-1 4:09:15:28	Edit

IR Touch Interactive Flat Panel Display-RK3588

NEWHUB SMART IR Touch Interactive Flat Panel Display

Model		NB-65RK3588-H01	NB-75RK3588-H01	NB-86RK3588-H01
Product picture				
Display specification				
Diagonal display size		65(inch)	75(inch)	86(inch)
Bezel color	Aluminum frame(White color)	√	√	√
Panel type	Ultra HD Direct type LED	√	√	√
Active area (mm)		1428.48 (H) * 803.52 (V)	1649.66 * 927.93(V)	1895.04 * 1065.96(V)
Resolution	3840*2160 /60hz	√	√	√
Pixel Pitch		0.372mm x 0.372mm	0.429 mm x 0.429 mm	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	over 350cd/m2	√	√	√
Color depth	1.07 billion colors	√	√	√
Viewing angle	178°	√	√	√
Lifespan	50,000 hours	√	√	√
Touch Type				
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	√	√	√
Sound				
Front Speakers	15W*2 (20W*2)	√	√	√
Subwoofer	20W*1	√	√	√
Total Power Amplifiers	≅60w	√	√	√
Microphone (option)				
Type	Wide-area microphones	√	√	√
Number of Microphones	8	√	√	√
Auto switch (Windows/Central)	Yes	√	√	√
Disconnectable	Yes	√	√	√
camera (option)				
Number of images	4800M	√	√	√
Maximum resolution and frame rate	4208*3120(30fps)	√	√	√
FOV(field of view)	120 °	√	√	√
Front Side Connections				
Front Ports	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	√	√	√	√
Bottom Side Connections				
Earphone	1	√	√	√
MIC IN	1	√	√	√
SPDIF OUT	1	√	√	√
RS232	1	√	√	√
Touch USB (USB B)	2	√	√	√
HDMI IN	1	√	√	√
HDMI OUT	1	√	√	√
RJ45	1	√	√	√
TYPE C OUT	1	√	√	√
Android USB2.0	1	√	√	√
Android USB3.0	1	√	√	√
TF CARD	1	√	√	√
WIFI	WIFI5+WIFI6+AP	√	√	√
Windows OPS Slot	80-pins OPS slot	√	√	√
Bluetooth version	5.2	√	√	√
Central				
Android Version	Android 13.0	√	√	√
Chip	Rockchip RK3588	√	√	√

CPU	quad-core Cortex-A76 and quad-core Cortex-A55, up to 2.4GHz	√	√	√
GPU	Mali-G610 MC4	√	√	√
RAM	8GB 16GB 32GB DDR4	√	√	√
Flash	128GB 256GB	√	√	√
Compliant with	Windows; Mac; Linux; Chrome OS	√	√	√
Over-the-Air Updates (OTA)	YES	√	√	√
Light Sensor	YES	√	√	√
NFC Reader/Writer	YES	√	√	√
Temperature, humidity and air quality three-in-one sensor	YES	√	√	√
Fingerprint module	YES	√	√	√
General Information				
Power Supply	~ 100-240 V (50/60Hz)	√	√	√
Switch On / Off	Yes	√	√	√
Standby Energy Consumption	≤ 0.5 Watt	√	√	√
Power Consumption		Maximum< 290W Eco<75W	Maximum< 320W Eco<75W	Maximum< 350W Eco<75W
Net Weight	(KG±2)	45	55	70
Gross Weight	(KG±2)	55	68	85
Screen Dimensions	(WxDxH)	1470.9 *97.5* 897.5 mm	1692.1 *97.5*1021.9 mm	1943.4*97.5*1166 mm
Dimensions Package	(WxDxH)	1622 * 190 * 1038 mm	1842 * 190 * 1163 mm	2090 *190 * 1307 mm
VESA Standard	(mm)	600*400 mm	600*400 mm	800*600 mm
Certifications	CE; EMC + LVD / RoHS / REACH / FCC/CCC	√	√	√
Warranty	ONE year for the whole product and THREE years for touch parts by default. (can be extended, it's for an option)	√	√	√
Environmental conditions				
Operating Temperature	0°C - 40°C/32 - 100 °F	√	√	√
Storage Temperature	-20°C - 60°C/-4 - 140 °F	√	√	√
Storage Humidity	10 % - 90 %	√	√	√
Usage Humidity	10 % - 90 %	√	√	√
Accessories				
Accessories	WIFI antenna*5pcs; No ink pen * 2pcs; Remote control *1pcs, 1.5m power cord *1pcs, 1.5m HDMI cable *1pcs, 1.5m USB touch cable *1pcs; wall mount kit			