

LT SERIES

RK3588

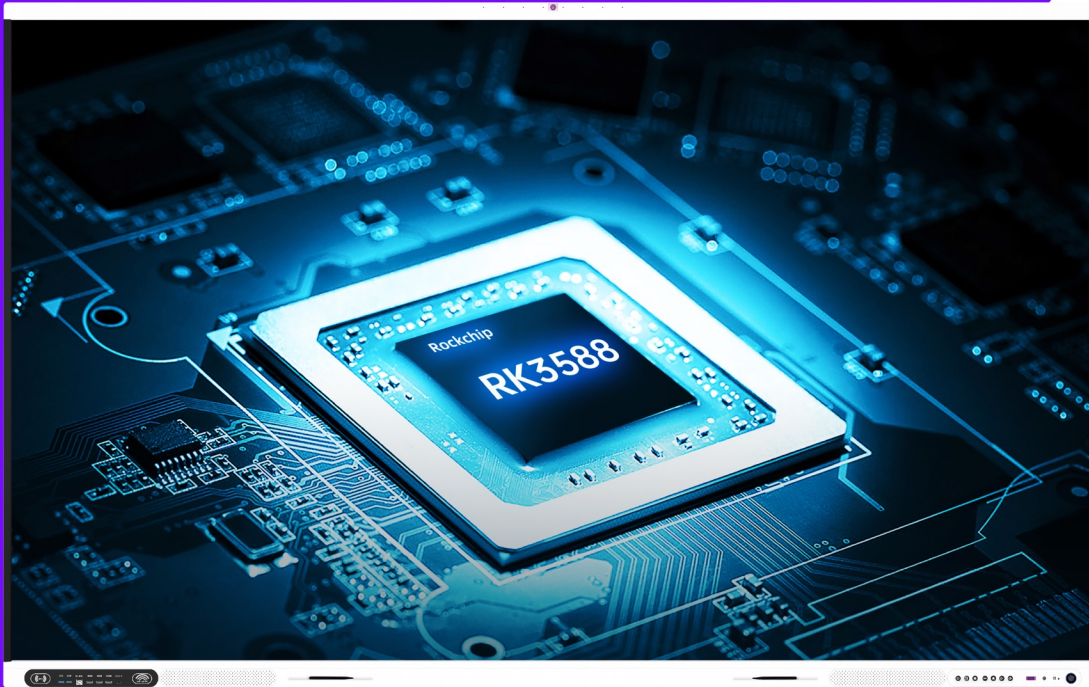
65" 75" 86" 98" 105" 110"

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

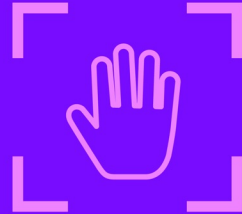
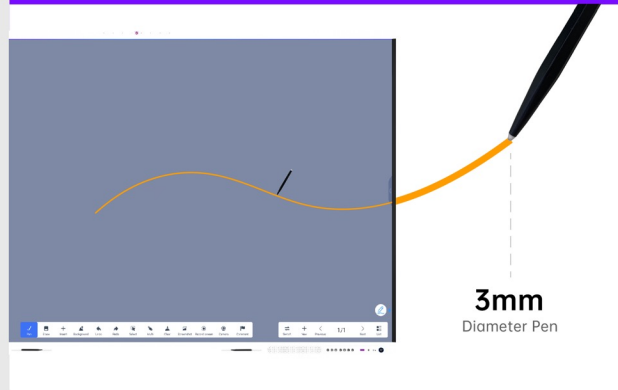
 **EDLA**

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.



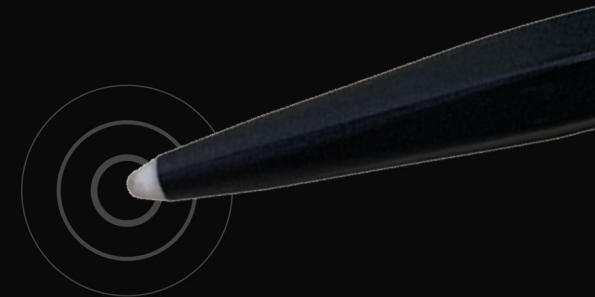
Palm Rejection

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.



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

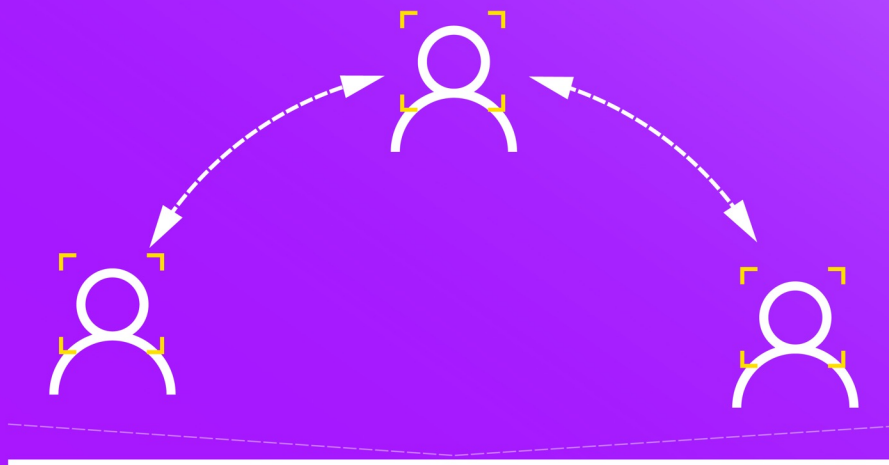
10-meter

AI noisereduction



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



- HDMI OUT
- Type-C Out
- Bluetooth 5.2



- USB 3.0
- USB-C In (Multi media 65W/100W Optional)
- NFC
- WIFI 6, 2.4G/5G 802.11ax.



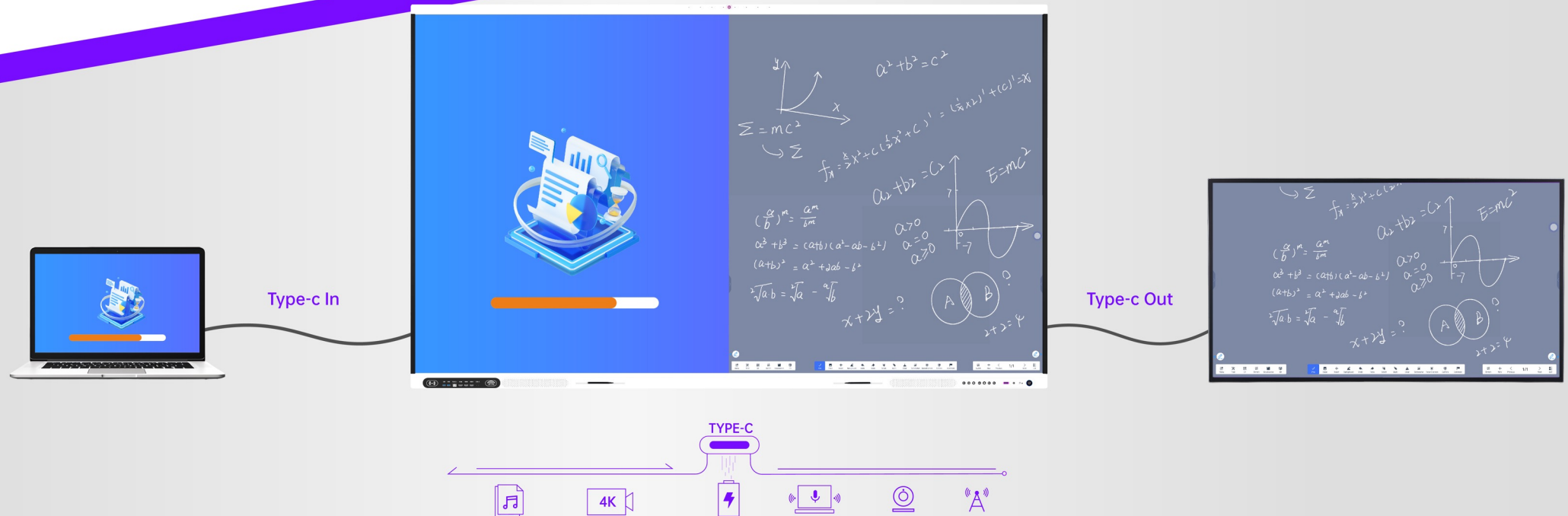
- Magnetic pen tray
- Front facing speakers (20W optional)



- Finger Print Module
- Light Sensor
- PM2.5 Sensor

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



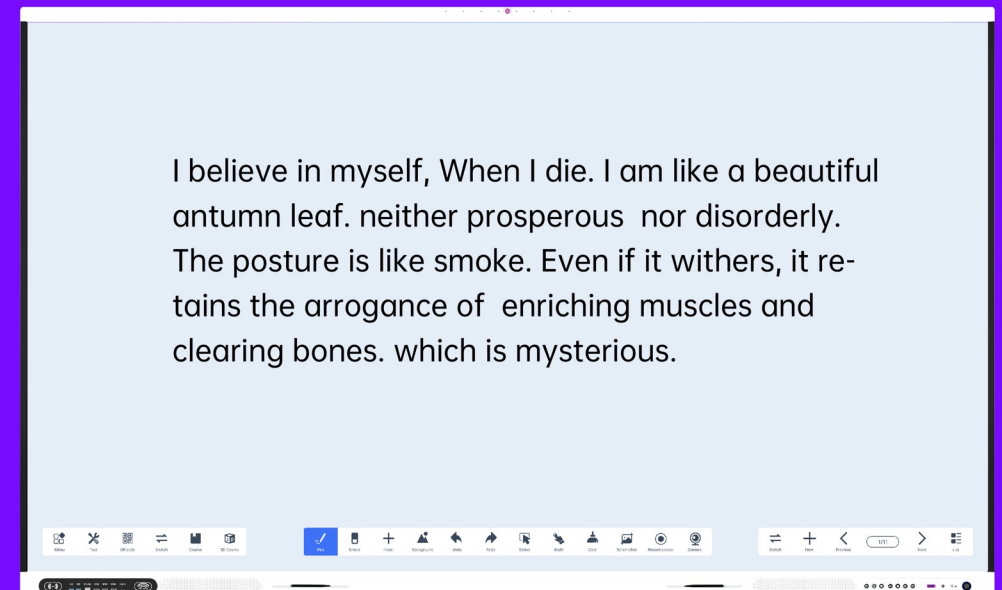
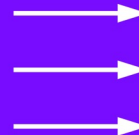
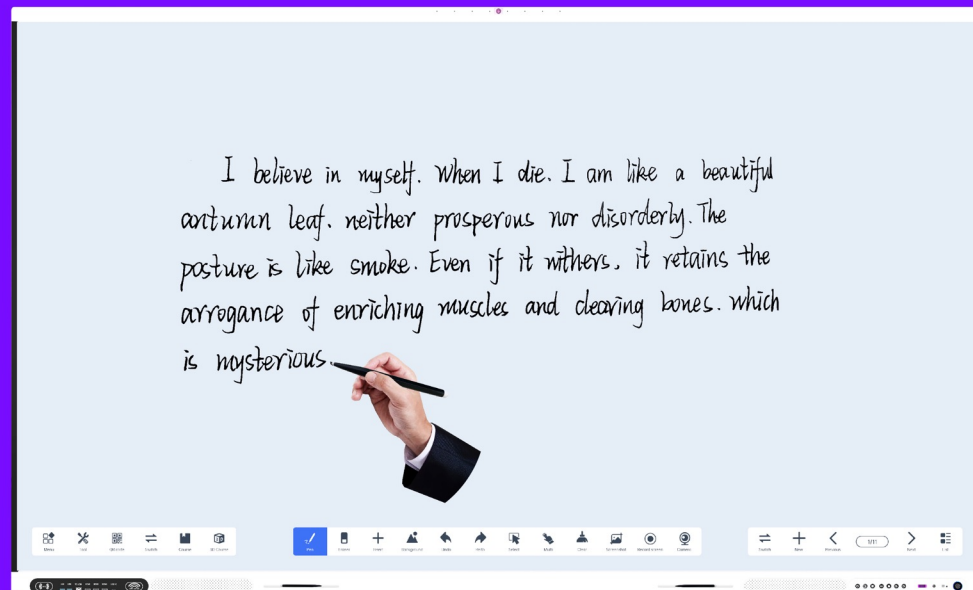
Object handling



Google search

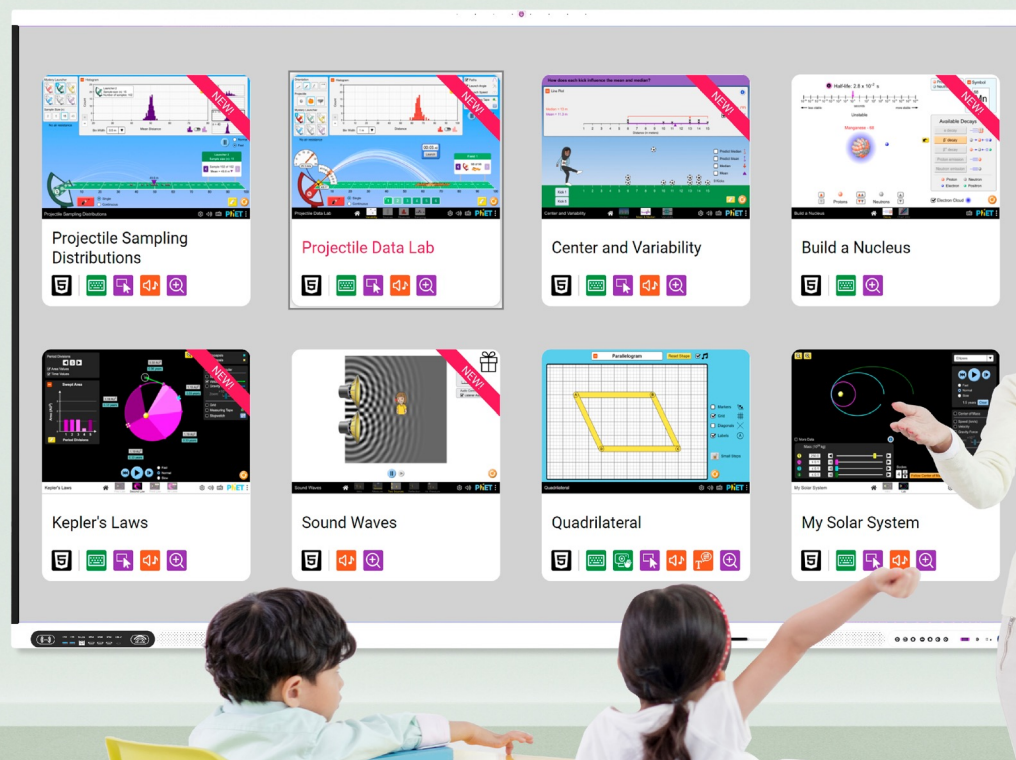
Transform Your Writing with Umind Advanced **AI Pen**

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



PhET™ INTERACTIVE SIMULATIONS

Piotouch
More Interactive



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

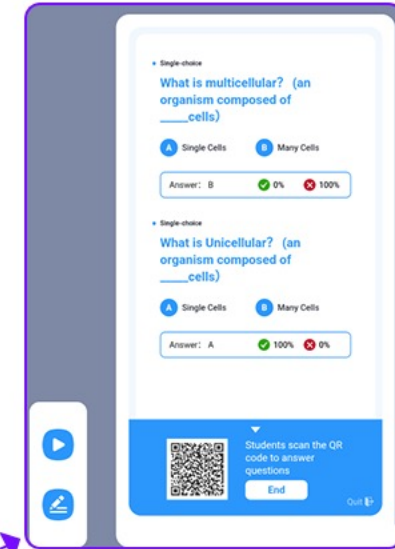
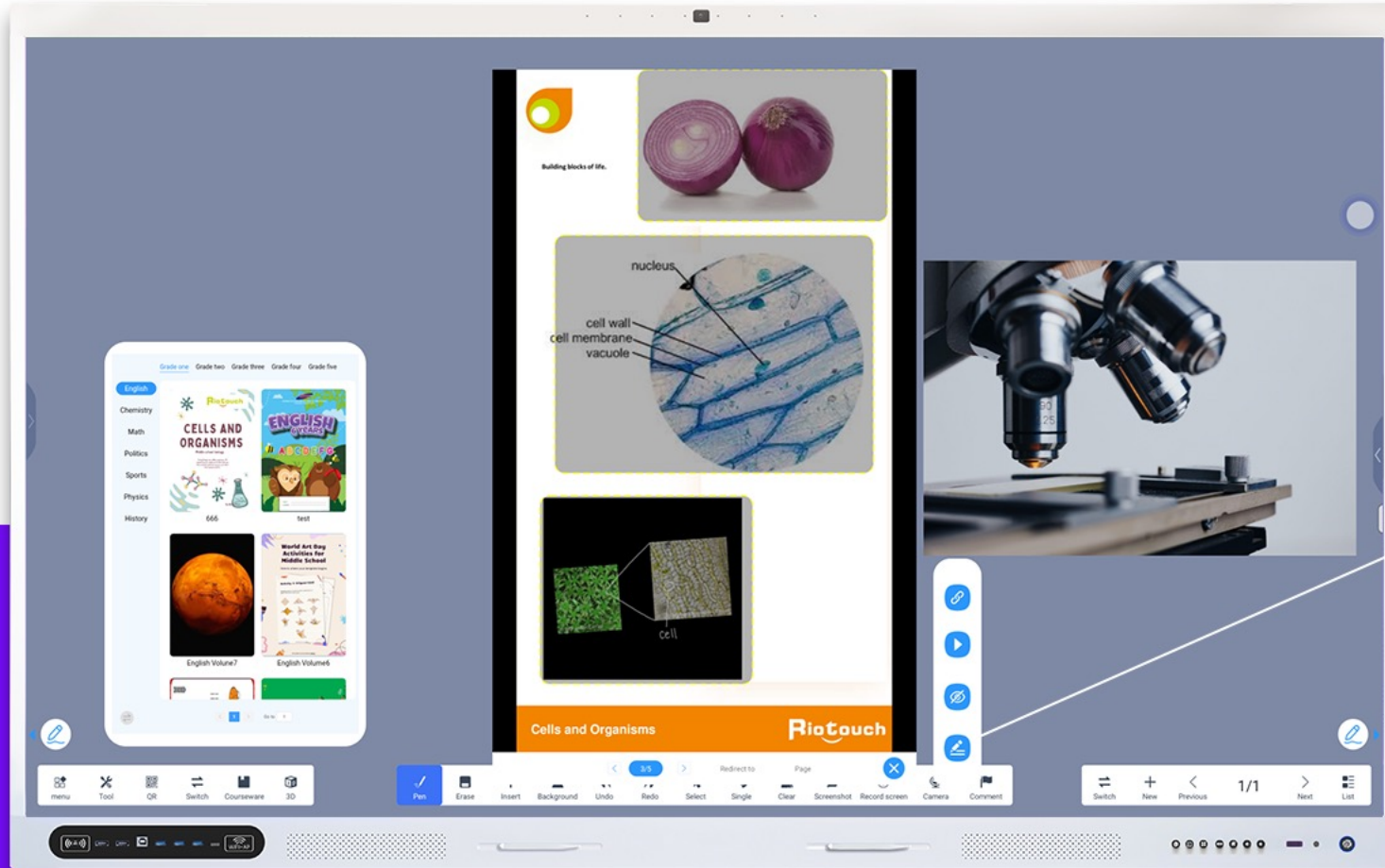


STEM



Empowering Education, Amplifying Insights

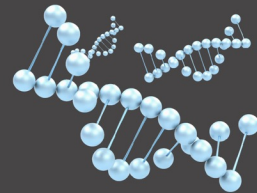
– Your gateway to a world of science and math



Quiz

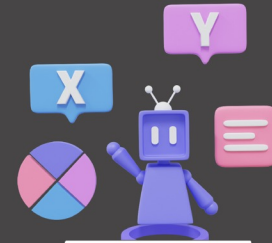
From primary to higher education, our platform covers a wide range of subjects, igniting curiosity and fostering deep understanding. Customize your curriculum, create dynamic content, and contribute to a learning revolution that transforms teaching and empowers learners to achieve more."

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



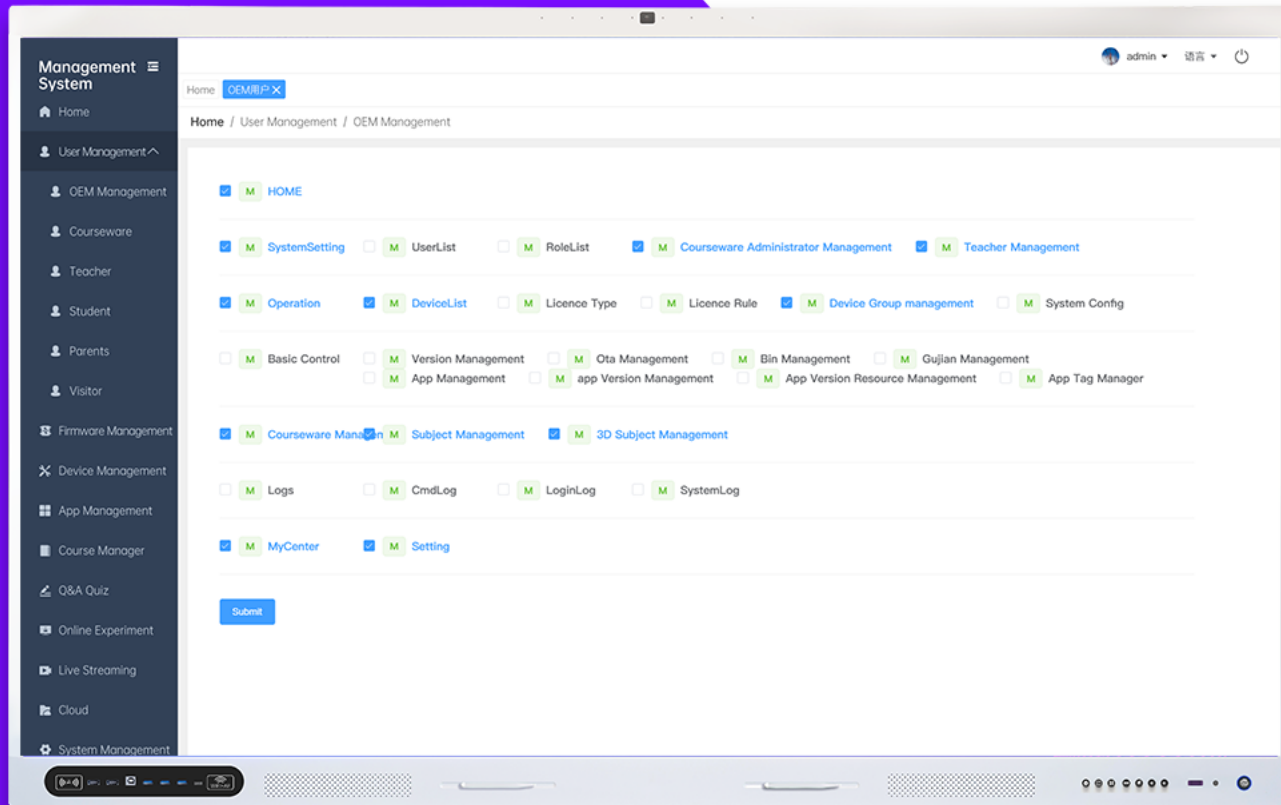
Arts

Art and Design

DMS-"Simplify, Streamline, Secure."

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

Riotouch
More Interactive



Easy Maintenance
& Customization



Secured
Document



Save Cost



Recovering Files



Liberate Manpower



Remote Control



Save Storage



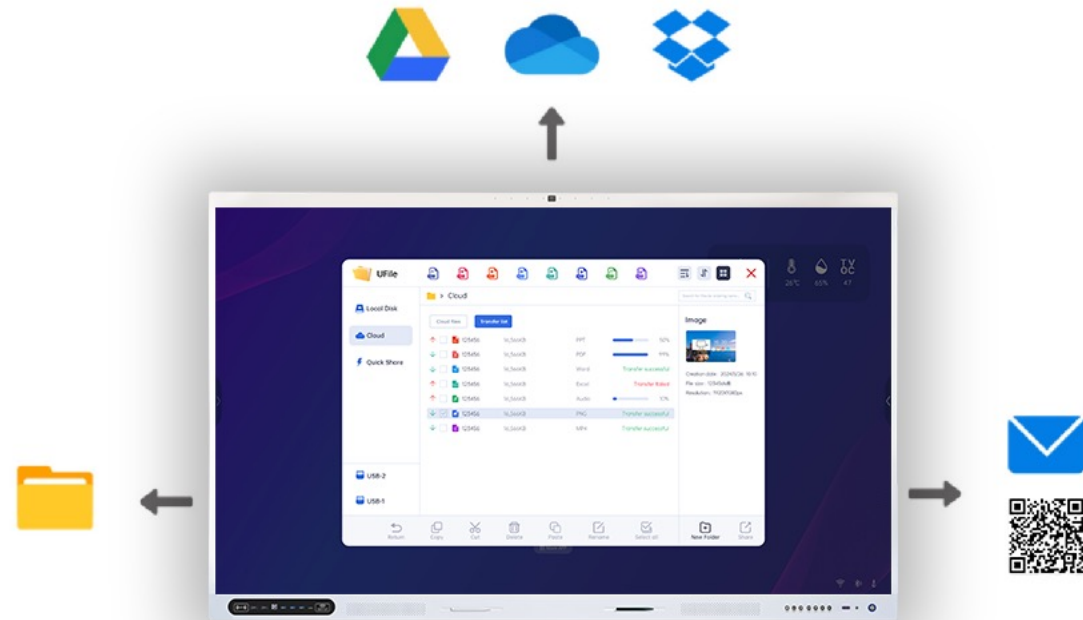
Cloud Sync, Seamless Harmony

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

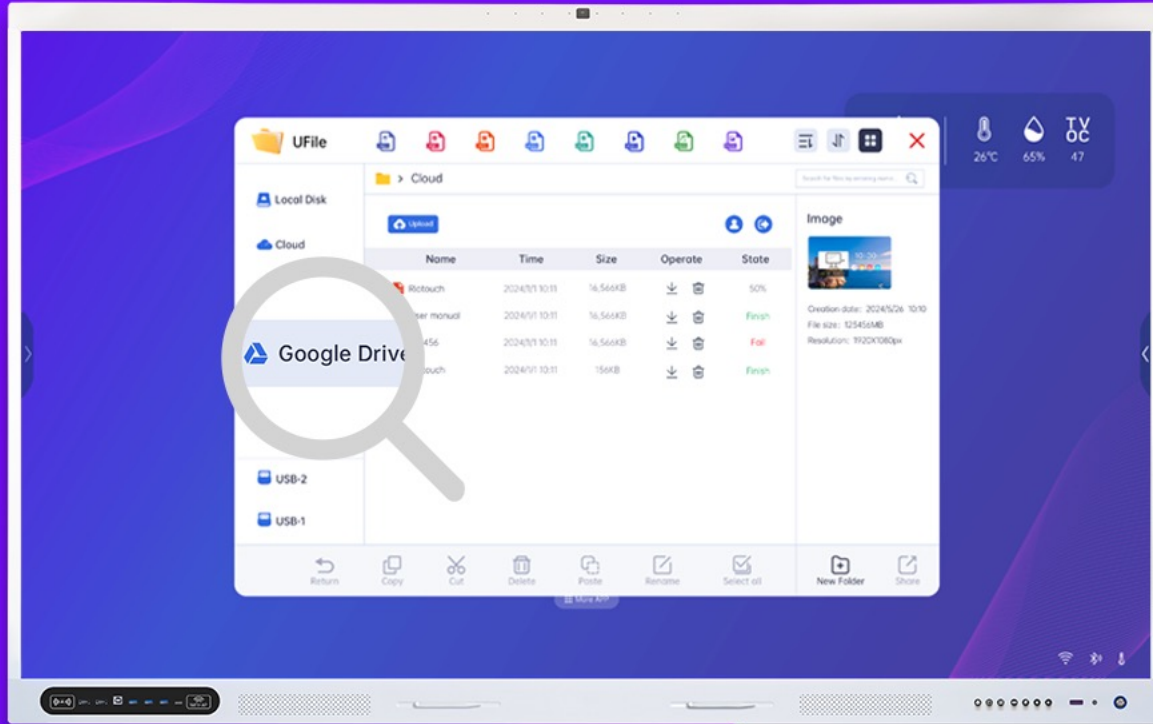
Secure, Smart, and Social Cloud



"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

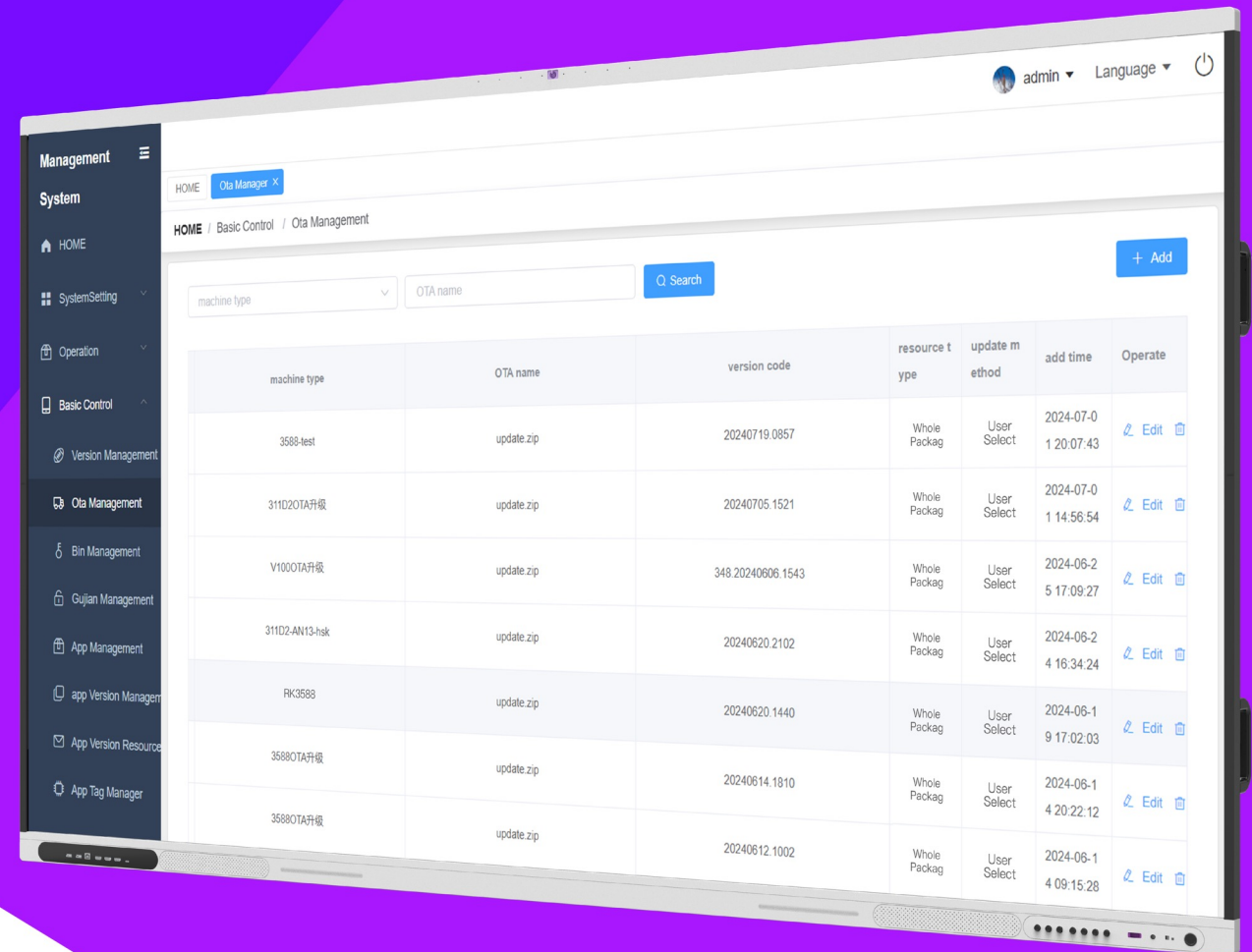


Beyond the Drive, Into the Cloud

- 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.



Beyond the Cloud Into the **Ecosystem**

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



● IR Touch Interactive Flat Panel Display-RK3588

Model		LT65RK3588	LT75RK3588	LT86RK3588	LT98RK3588	LT105RK3588
Diagonal display size		65(inch)	75(inch)	86(inch)	98(inch)	105(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)	2187.8(H)×1242.8(V)mm	2487.4(H) × 1070.6(V)mm
Resolution	3840*2160 /60hz	√	√	√	√	5120*2160 /60hz
Pixel Pitch		0.372mm x 0.372mm	0.429 mm x 0.429 mm	0.4935 mm x 0.4935 mm	0.5622×0.5622 mm	0.4785×0.4785
Hardness Glass	Mohs-7 level	√	√	√	√	√
Glass Panel	Anti-Glare glass with zero bonding	√	√	√	√	√
Aspect Ratio	16:9	√	√	√	√	21:9
Contrast Ratio	1200:1 (type)	√	√	√	√	4000:1 (type)
Dynamic Contrast Ratio	4000:1	√	√	√	9500:1	14000:1
Brightness	General: 350cd/m2 Peak 500cd/m2	√	√	√	480cd/m2	480cd/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 option)	√	√	√	√	√
Subwoofer	20W*1 option	√	√	√	√	2.0 (2.1 option)
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	√					

Model		LT65RK3588	LT75RK3588	LT86RK3588	LT98RK3588	LT105RK3588
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	✓	✓	✓	✓	✓
Riotouch 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	Maximum< 510W Eco<75W	Maximum< 460W Eco<75W
Net Weight	(KG±2)	45	55	70	110	140
Gross Weight	(KG±2)	55	68	85	120	150
Screen Dimensions	(WxDxH)	1470.9 *97.5* 897.5 mm	1692.1 *97.5*1021.9 mm	1943.4*97.5*1166 mm	2250*97.5*12305mm	2505*97.5*1085mm
Dimensions Package	(WxDxH)	1622 * 190 * 1038mm	1842 * 190 * 1163 mm	2090 *190 * 1307 mm	2377*220*1486mm	2550*222*1120mm
VESA Standard	(mm)	600*400 mm	600*400 mm	800*600 mm	1195*220mm 630*47.5mm	1195*220mm 630*47.5mm
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					



www.riotouch.com



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