

LT SERIES

RK3588

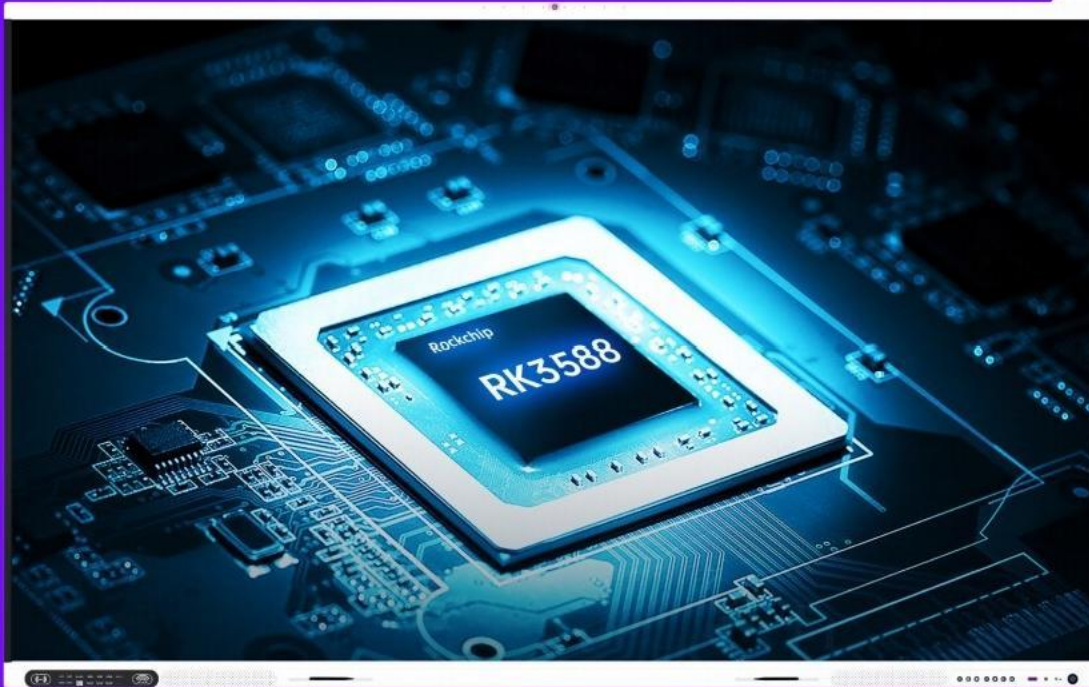
65" 75" 86" 98" 105" 110"

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

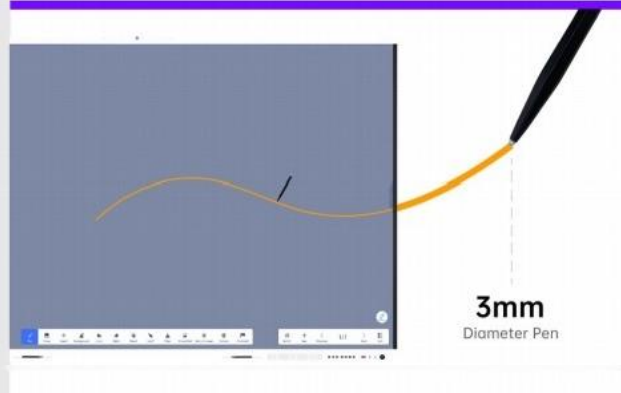
EDLA

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.



Riotouch

More Interactive

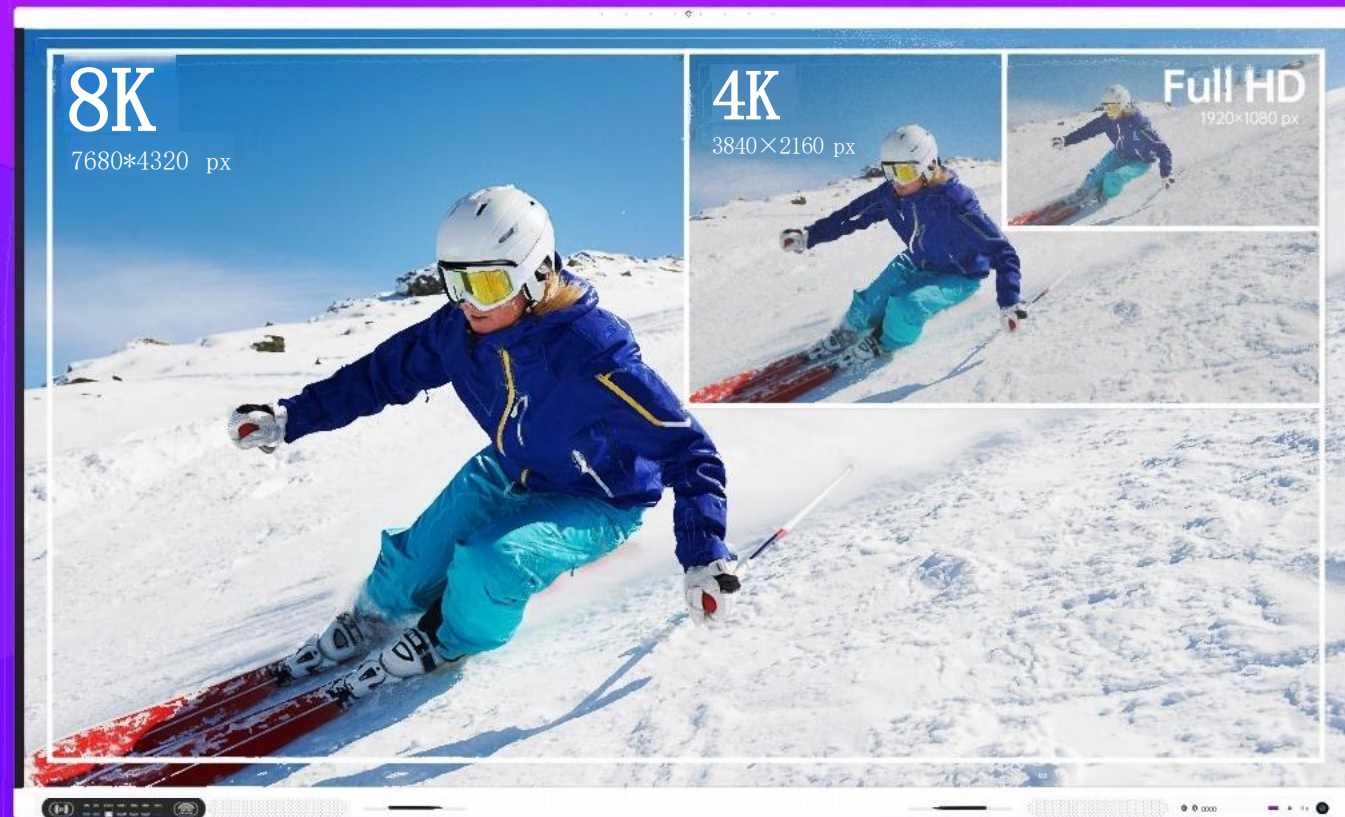
Touch

Up to 40 points of touch



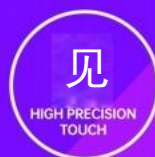
8K Resolution With Immense Picture Quality

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



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

Riotouch

More Interactive



- HDMI OUT
- Type-C Out
- Bluetooth 5.2



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



- USB3.0
- USB-C In (Multi media 65W/100W Optional)
- NFC
- WIFI 6, 2.4G/5G 802.11ax



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

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

From Image to Insight

"Capture.Convert.Conquer."

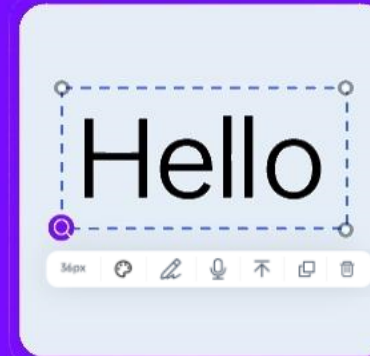
"With RK3588, capturing an image is just the beginning. Convert it into text and conquer the information it holds. Whether it's documents, receipts, or notes, RK3588's OCR turns images into insights at your fingertips."



Import pictures



Image recognition



Object handling

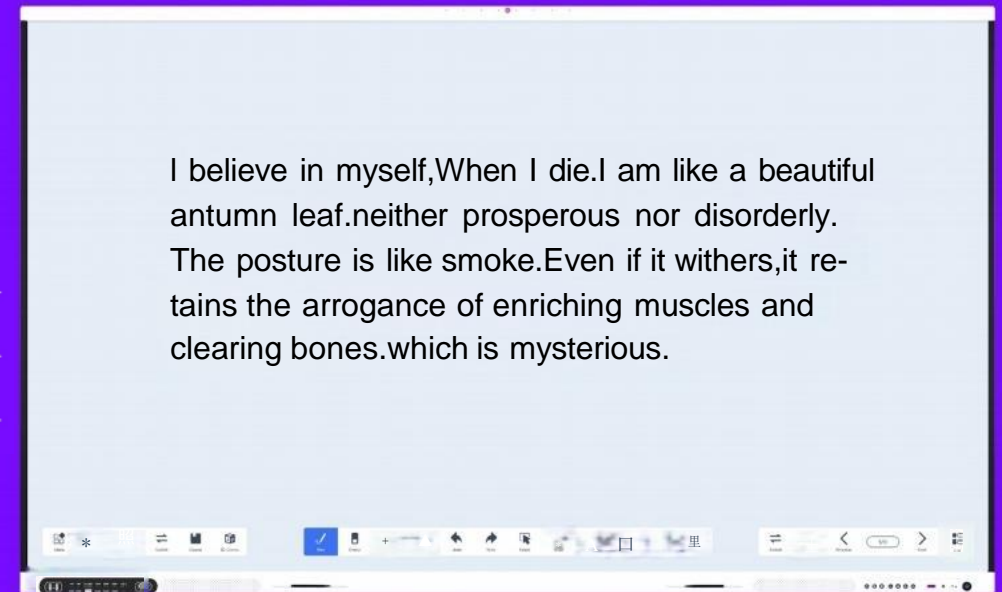
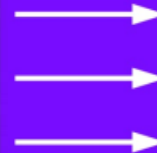
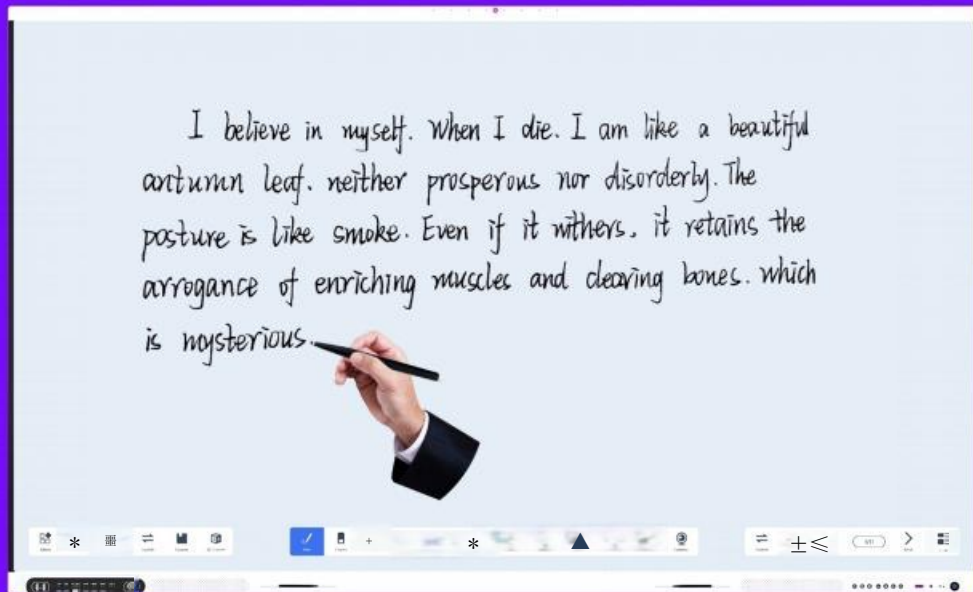


Google search

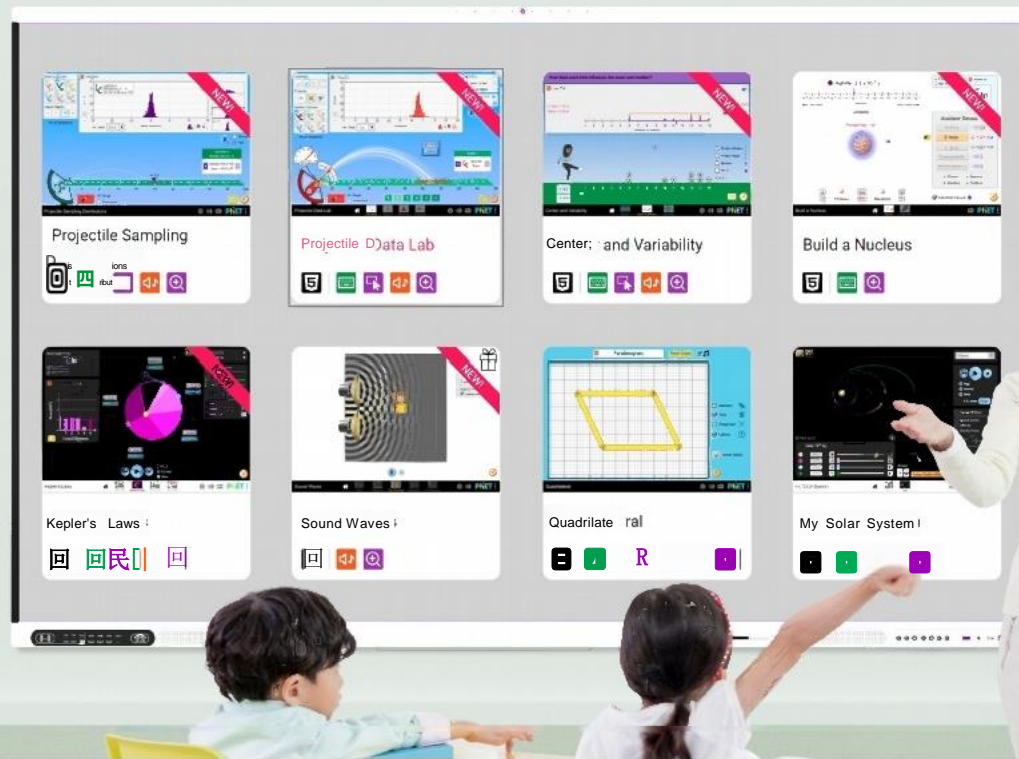
Transform Your Writing with Umind Advanced AI Pen

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

ABC → AI → ABC



PhET™ INTERACTIVE SIMULATIONS



Riotouch

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

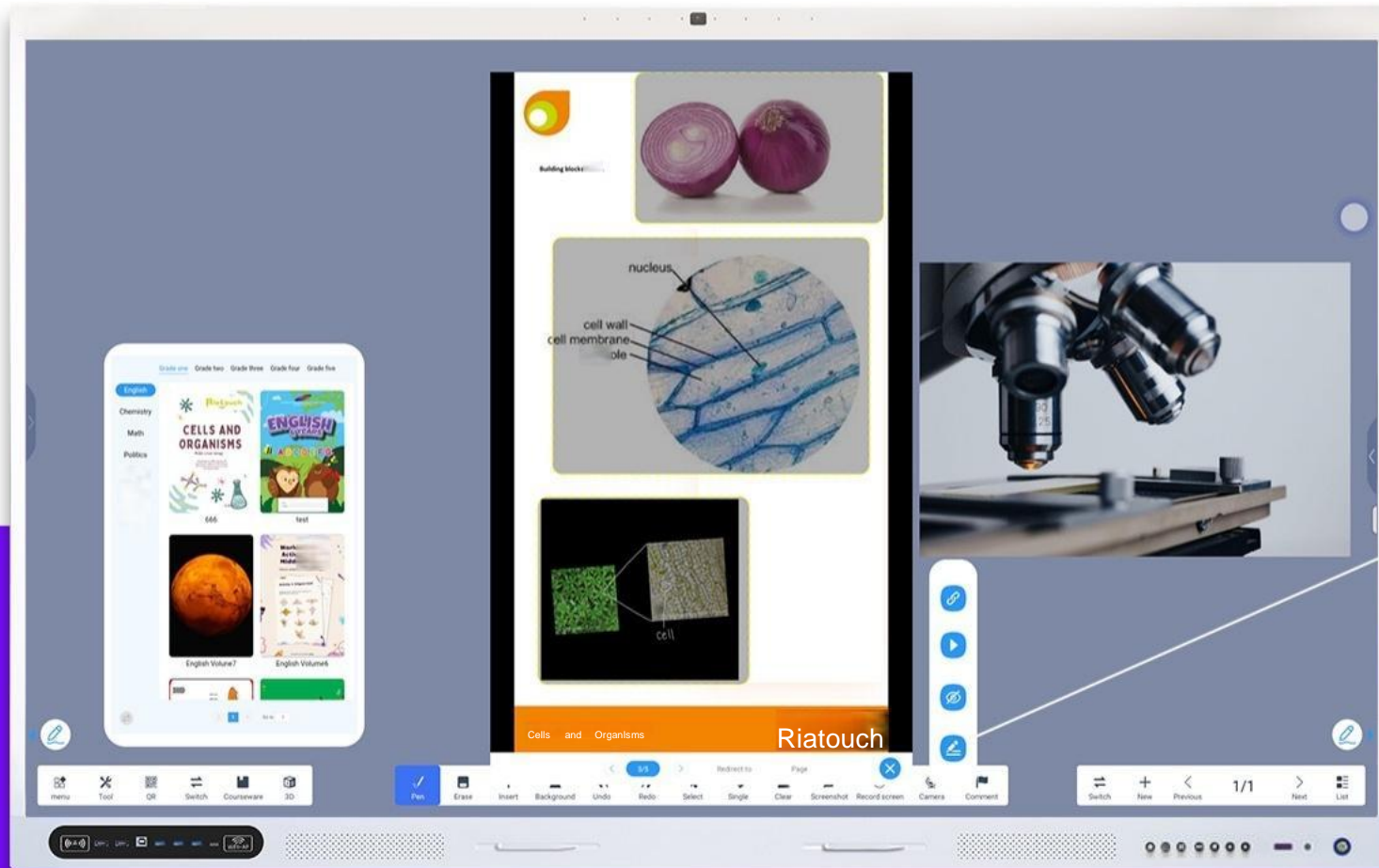


Empowering Education, Amplifying Insights

-Your gateway to a world of science and math

Riotouch

More Interactive

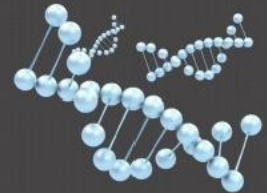


Quiz

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."

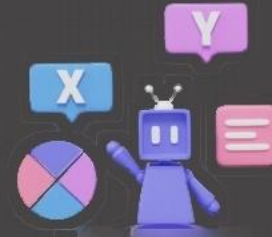
Courseware Function-Ucourse

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

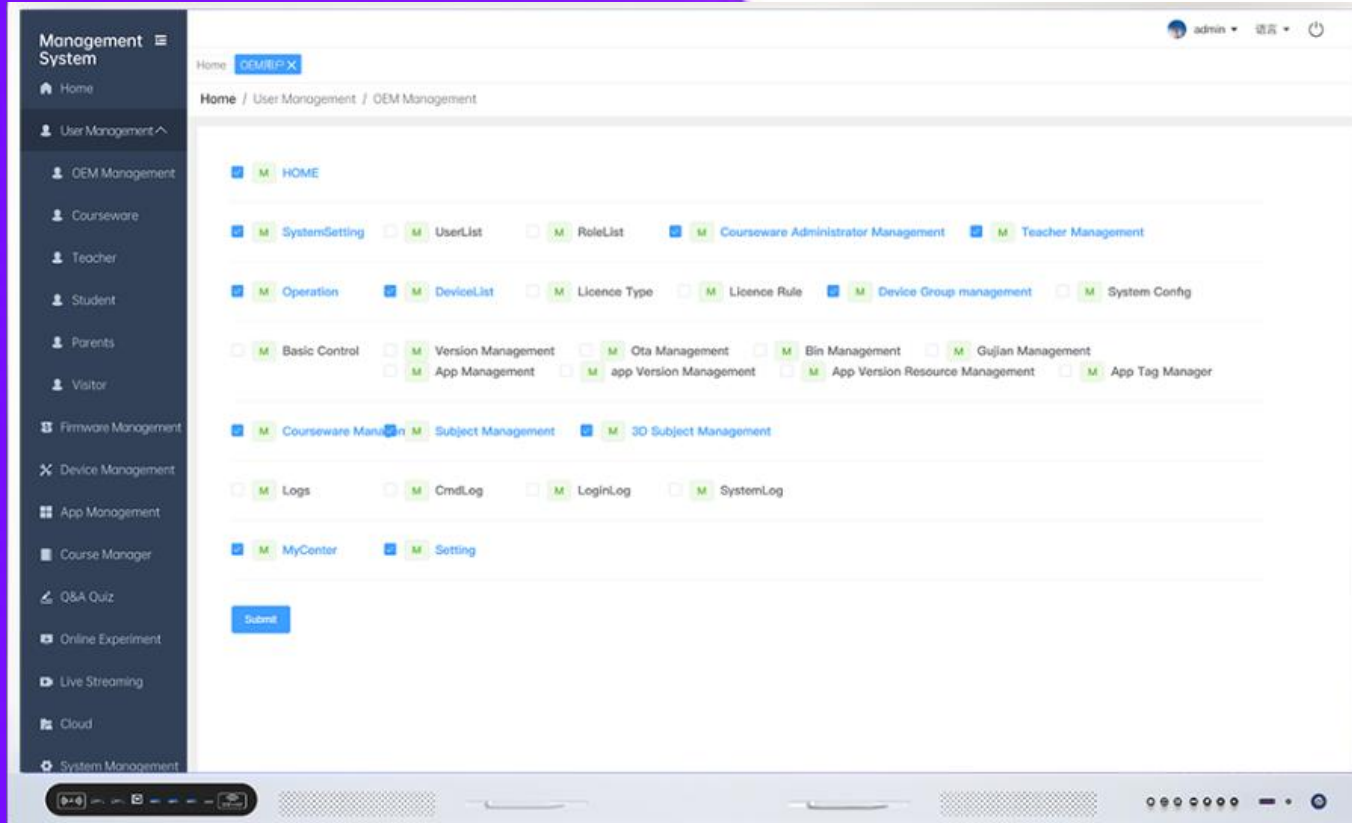
Art and Design

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



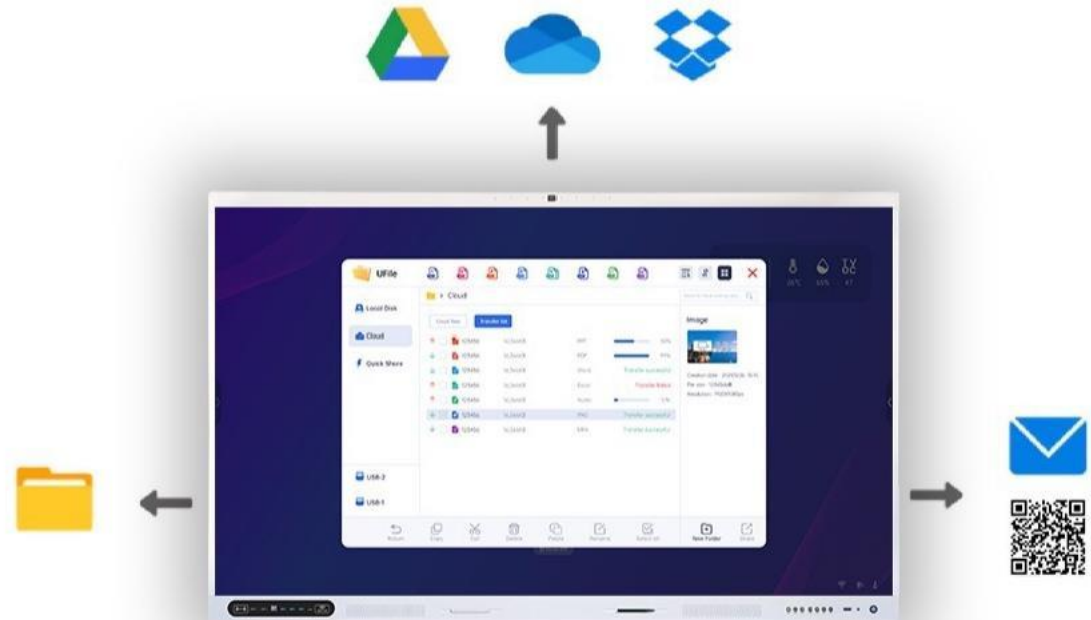
Cloud Sync Seamless Harmony

"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



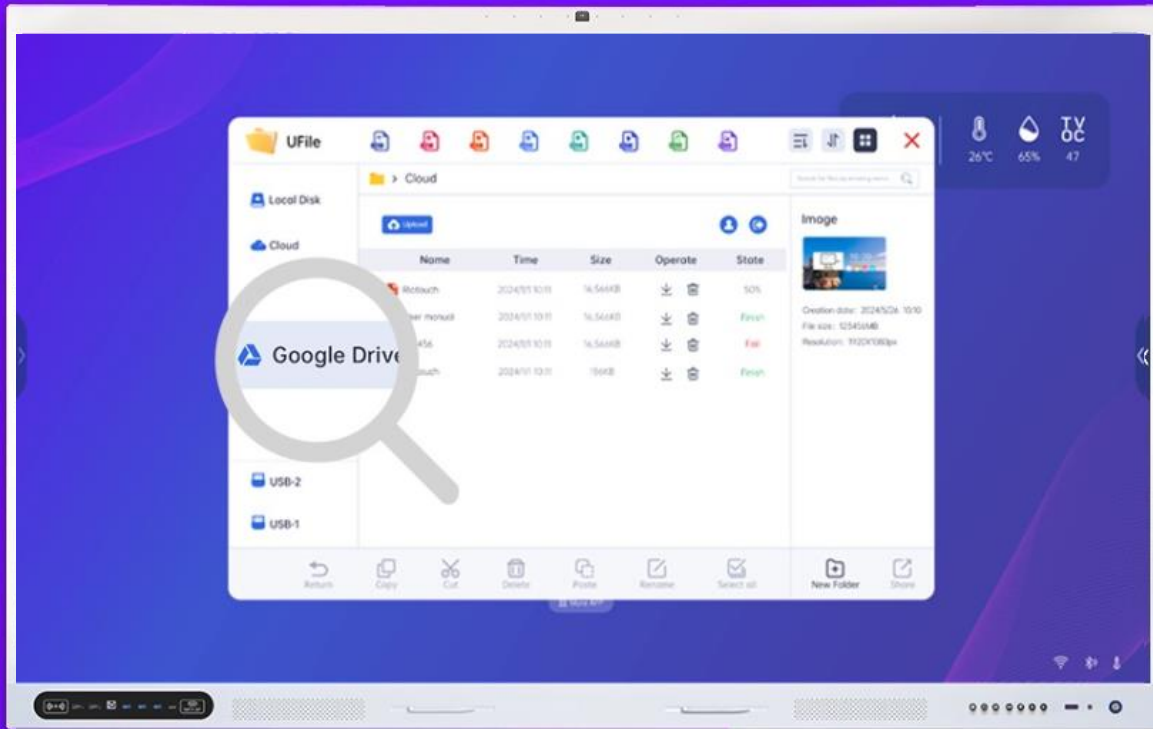
"Secure your data, smarten your access, and socialize your cloud experience. Our service supports Google, OneDrive, and more for a truly social cloud."



Multiple user login

Beyond the Drive, Into the Cloud

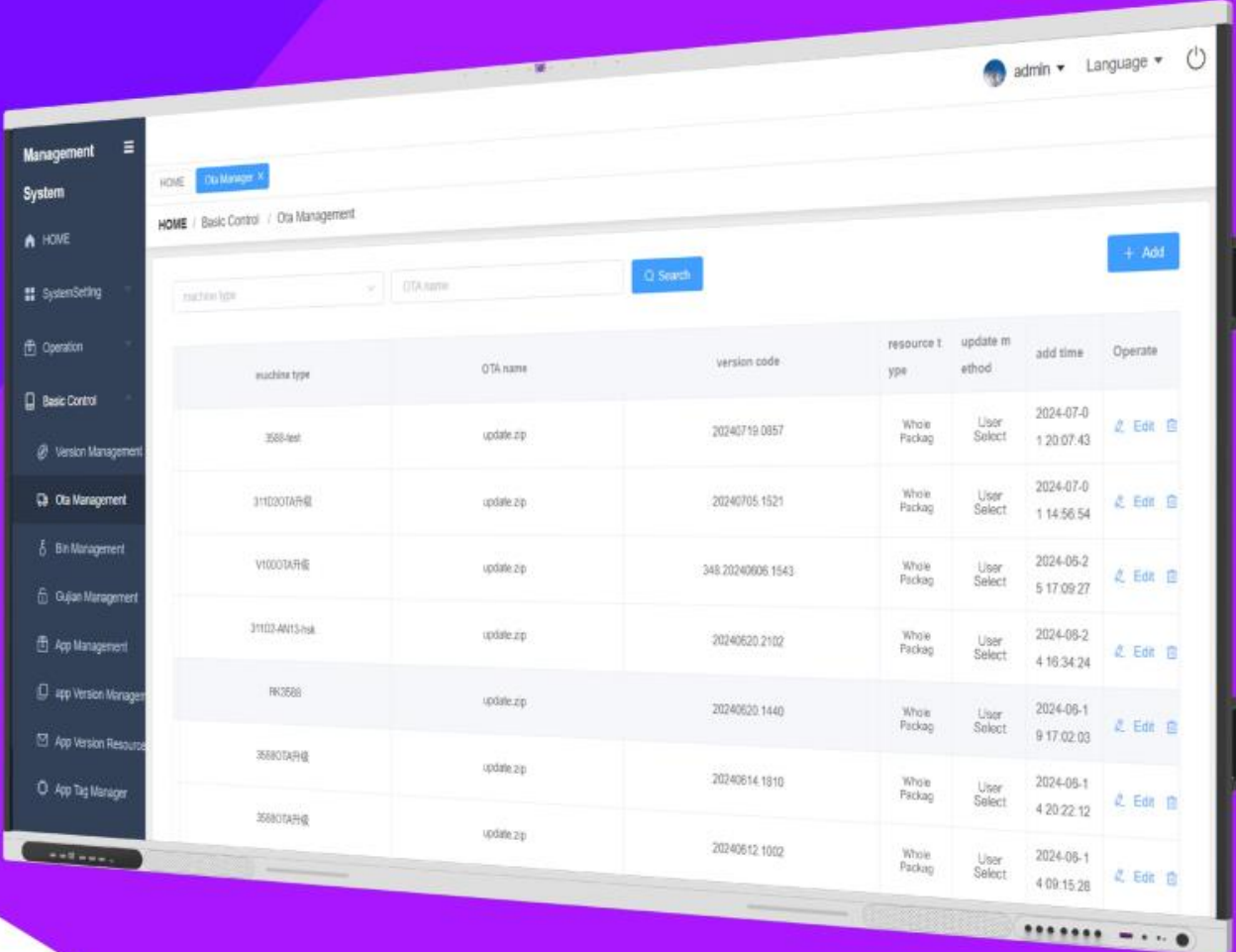
- Step beyond the drive and into the cloud with our service.
- Multi-user functionality meets Google, OneDrive, and other cloud giants.



The Power of Now In Every Update

Feel the power of now with every
OTA update.

Immediate, impactful, and always
improving.



| machine type | OTA name | version code | resource type | update method | add time | Operate |
|----------------|------------|-------------------|---------------|---------------|----------------------|----------------------|
| 3588-test | update.zip | 20240719.0857 | Whole Package | User Select | 2024-07-0 1 20:07:43 | Edit |
| 311020TAH | update.zip | 20240705.1521 | Whole Package | User Select | 2024-07-0 1 14:56:54 | Edit |
| V1000TAH | update.zip | 348.20240606.1543 | Whole Package | User Select | 2024-06-2 5 17:09:27 | Edit |
| 31103-AN15-hsk | update.zip | 20240620.2102 | Whole Package | User Select | 2024-06-2 4 16:34:24 | Edit |
| FR3528 | update.zip | 20240620.1440 | Whole Package | User Select | 2024-06-1 9 17:02:03 | Edit |
| 3588OTAH | update.zip | 20240614.1810 | Whole Package | User Select | 2024-06-1 4 20:22:12 | Edit |
| 3588OTAH | update.zip | 20240612.1002 | Whole Package | User Select | 2024-06-1 4 09:15:28 | Edit |

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×0.372mm | 0.429 mm×0.429mm | 0.4935mm×0.4935 mm | 0.5622×0.5622 mm | 0.4785×0.4785 |
| Hardness Glass | Mohs-7 leve | ✓ | ✓ | ✓ | ✓ | ✓ |
| 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 | 1mm(over 90%Area) | ✓ | ✓ | ✓ | ✓ | ✓ |
| Auto-Calibration | Yes | ✓ | ✓ | ✓ | ✓ | ✓ |
| Anti-light | Yes | ✓ | ✓ | ✓ | ✓ | ✓ |
| Minimum object size | 2mm | ✓ | ✓ | ✓ | ✓ | ✓ |
| ouch 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 microphone | ✓ | ✓ | ✓ | ✓ | ✓ |
| Number of Microphones | 8 | ✓ | ✓ | ✓ | ✓ | ✓ |
| Auto switch (Windows/Central) | Yes | ✓ | ✓ | ✓ | ✓ | ✓ |
| Disconnectable | Yes | ✓ | ✓ | ✓ | ✓ | ✓ |
| camera (option) | | | | | | |
| Number of image | 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 | ✓ | ✓ | ✓ | ✓ | ✓ |
| Nindows OPS S1o | 80-pins OPS slo | ✓ | ✓ | ✓ | ✓ | ✓ |
| Bluetooth version | 5.2 | ✓ | ✓ | ✓ | ✓ | ✓ |
| Riotouch Centra | | | | | | |
| Android Version | Android 13.0 | ✓ | ✓ | ✓ | ✓ | ✓ |
| Chip | Rockchip RK3588 | ✓ | ✓ | ✓ | ✓ | ✓ |
| CPU | uad-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 | | Maximun<290W Eco<75W | Maximun<320W Eco<75W | Maximun<350W Eco<75W | Maximun<510W Eco<75W | Maximun<460W Eco<75W |
| Net Weigh | (KG±2) | 45 | 55 | 70 | 110 | 140 |
| Gross Weigh | (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*12305mn | 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*47.5mn | 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℃- 40℃/32-100°F | ✓ | ✓ | ✓ | ✓ | ✓ |
| Storage Temperature | -20℃- 60℃/-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 ki | | | | | |



www.riotouch.com



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