



# Product Catalog

Manufacturer of Professional Screen Sharing Hardware and Software

*tranScreen, let screen Fly*

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Shenzhen tranScreen Technology Co., Ltd.



## Company Profile

|                |                                                                                                                                                                                        |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company name   | Shenzhen tranScreen Technology Co., Ltd.                                                                                                                                               |
| Positioning    | Manufacturer of wireless screen sharing solutions                                                                                                                                      |
| Establishment  | Sep, 2014 (Shenzhen, China)                                                                                                                                                            |
| Specialties    | <p>Capacity of independent research and development for hardware and software product</p> <p>Experience in providing customized and standardized wireless screen sharing solutions</p> |
| Product family | Wireless video processors, transmitters, presentation remote devices, audio-visual terminals, screen sharing softwares                                                                 |
| Slogan         | tranScreen, let screen Fly!                                                                                                                                                            |

## Cooperative Partner



# Product Catalog

## Wireless Screen Casting

| Receiver End |                                                                 | Transmitter End |                                                 |
|--------------|-----------------------------------------------------------------|-----------------|-------------------------------------------------|
| PTB3219      | 4K Wireless Video Processor                                     | PTB1304         | Type-C 2K Transmitter                           |
| PTB3509      | 4K Wireless Video Processor                                     | PTB1312         | Type-C 4K BYOM Transmitter                      |
| PTB3609      | 4K Wireless Video Processor                                     | PTB1305         | HDMI 2K Transmitter                             |
| PTB4615      | Casting Receiver                                                | PTB1308         | HDMI 4K BYOM Transmitter                        |
| PTM6302      | Wireless Video Matrix                                           | PTB-EXB         | Transmitter Display Stand                       |
| PTB8800      | Video Collaboration Server                                      |                 |                                                 |
| ARS1509      | 9-split screen casting software for Android, Commercial Version |                 |                                                 |
| ARS1501      | Full screen casting software for Android, Commercial Version    | BYOM Solution   |                                                 |
| ARS1704      | 4-split screen casting software for Android, General Version    | tranScreen      | Multi-platform transmitter software             |
| ARS1701      | 1-split screen casting software for Android, TV version         | AirPlay         |                                                 |
| WRS1604      | 4-split screen casting software for Windows                     | Miracast        |                                                 |
| iRS1501      | Single-channel AirPlay receiver SDK for Android                 | Googlecast      |                                                 |
| iRS1504      | Four-channel AirPlay receiver SDK for Android                   | DLNA            |                                                 |
| iRS1601      | Single-channel AirPlay receiver SDK for Windows                 | USBCast         | Wired screen Casting software for Android phone |
| iRS1604      | Four-channel AirPlay receiver SDK for Windows                   |                 |                                                 |
| mRS1501      | Single-channel Miracast receiver APK for Android                |                 |                                                 |
| gRS1501      | Single-channel Google Cast receiver APK for Android             |                 |                                                 |
| iwRS1501     | Wired mirroring receiver APK for iPhone                         |                 |                                                 |
| awRS1501     | Wired mirroring receiver APK for Android phone                  |                 |                                                 |

## Smart Presentation Remote

| Receiver End |                                     | Transmitter End |                        |
|--------------|-------------------------------------|-----------------|------------------------|
| PPTR2100     | Pen mouse receiver software         | PPT2105         | Smart Presentation Pen |
|              |                                     | PMS2402         | Smart tranScreen Mouse |
| PWB1001      | Android digital whiteboard software | PPT2201         | Smart whiteboard pen   |
|              |                                     | PPT2801         | Smart tranShare Hub    |

Main Functions List of Screen Sharing Hardware

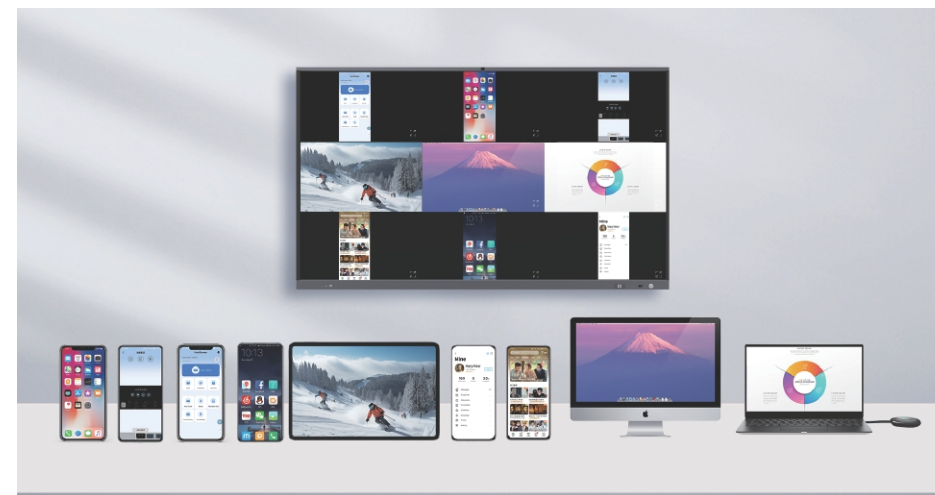
| Receiving End | Items                  | Functions                                                                 | PTB4615 | PTB3104 | PTB3219 | PTB8616 |
|---------------|------------------------|---------------------------------------------------------------------------|---------|---------|---------|---------|
|               | Transmission Protocols | tranScreen                                                                | ✓       | ✓       | ✓       | ✓       |
|               |                        | AirPlay                                                                   | ✓       | ✓       | ✓       | ✓       |
|               |                        | DLNA                                                                      | ✓       | ✓       | ✓       | ✓       |
|               |                        | Miracast                                                                  | ✓       | ✓       | ✓       | ✓       |
|               |                        | ChromeCast                                                                | ✗       | ✓       | ✓       | ✓       |
|               |                        | Huawei Cast+                                                              | ✓       | ✓       | ✓       | ✓       |
|               |                        | iOS USB Cast                                                              | ✓       | ✓       | ✓       | ✓       |
|               |                        | Android USB Cast                                                          | ✓       | ✓       | ✓       | ✓       |
|               | Number of Split Screen | With different layouts                                                    | 1       | 4       | 9       | 16      |
|               | PIN Code Cast          | Cloud Cast                                                                | ✗       | ✓       | ✓       | ✓       |
|               |                        | Local area network cast code                                              | ✓       | ✓       | ✓       | ✓       |
|               | Host control center    | Camera & Speak switch                                                     | ✗       | ✓       | ✓       | ✓       |
|               |                        | Screenshot note switch                                                    | ✗       | ✓       | ✓       | ✓       |
|               | BYOM                   | Rooms / Teams / Zoom / WebEx / GoogleMeeting                              | ✗       | ✓       | ✓       | ✓       |
|               |                        | DingTalk / Wechat/ Feishu / Umeeting / Haoshitong / XYLink / Tianyi Cloud | ✗       | ✓       | ✓       | ✓       |
|               | One-to-multiple Cast   | Up to six secondary devices                                               | ✓       | ✓       | ✓       | ✓       |
|               | Carousel               | Source type selection and play time setting                               | ✗       | ✓       | ✓       | ✓       |
|               | File Sharing           | Select local file and selcect receiving device                            | ✗       | ✓       | ✓       | ✓       |
|               | Display                | Adjust chroma parameters                                                  | ✓       | ✗       | ✓       | ✓       |
|               |                        | Support 4K display                                                        | ✗       | ✗       | ✓       | ✓       |
|               |                        | Support 4K cast                                                           | ✓       | ✓       | ✓       | ✓       |
|               |                        | Support 5K/8K display                                                     | ✗       | ✗       | ✗       | ✓       |
|               |                        | 2K HDMI output interface                                                  | 0       | 1       | 0       | 0       |
|               |                        | 4K HDMI output interface                                                  | 1       | 0       | 2       | 2       |
|               |                        | 4K HDMI input interface                                                   | 0       | 0       | 1       | 2       |
|               |                        | Type-C output interface                                                   | 0       | 0       | 0       | 1       |
|               |                        | Type-C input interface                                                    | 0       | 0       | 0       | 1       |
|               | Dual network structure | Bridge external LAN bands                                                 | 5 GHz   | 2.4 GHz | 5 GHz   | 5 GHz   |
|               |                        | Wi-Fi Hotspot                                                             | Wi-Fi 5 | Wi-Fi 5 | Wi-Fi 6 | Wi-Fi 6 |
|               |                        | Number of connected devices                                               | 8       | 8       | 16      | 16      |
|               | Timer                  | Power on / off time                                                       | ✓       | ✓       | ✓       | ✓       |
|               | Welcome template       | Customized template / Creat scene                                         | ✓       | ✓       | ✓       | ✓       |
|               | Whiteboard             | Change brush                                                              | ✗       | ✓       | ✓       | ✓       |
|               | Others                 | Languages                                                                 | 17      | 17      | 17      | 17      |
|               |                        | Receiving end touch back controls PC                                      | ✓       | ✓       | ✓       | ✓       |
|               |                        | Configure the master transmitter                                          | ✓       | ✓       | ✓       | ✓       |
|               |                        | Install third-party APP                                                   | ✓       | ✓       | ✓       | ✓       |
|               |                        | Compatible with smart presentation remote                                 | ✗       | ✓       | ✓       | ✓       |
|               |                        | Operating guide videos                                                    | ✗       | ✓       | ✓       | ✗       |

Transmitting end

| Windows                           | Items                                                                            | Functions                                                                                                      | PTB4615 | PTB3104 | PTB3219 | PTB8616 |
|-----------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|
|                                   | tranScreen                                                                       | 4K tranScreen cast                                                                                             | ✓       | ✗       | ✓       | ✓       |
|                                   |                                                                                  | Mirror control                                                                                                 | ✗       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | BYOD                                                                                                           | ✗       | ✗       | ✓       | ✓       |
|                                   |                                                                                  | File sharing                                                                                                   | ✗       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | Window cast / Extend screen / Mirror control switch / 15 languages                                             | ✓       | ✓       | ✓       | ✓       |
|                                   | Type-C Transmitter                                                               | Wireless pairing                                                                                               | ✓       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | Cast resolution                                                                                                | 4k      | 2k      | 4k      | 4k      |
|                                   |                                                                                  | BYOD                                                                                                           | ✗       | ✓       | ✓       | ✓       |
|                                   | HDMI Transmitter                                                                 | Wireless pairing                                                                                               | ✓       | ✓       | ✓       | ✓       |
| Cast resolution                   |                                                                                  | 4k                                                                                                             | 2k      | 4k      | 4k      |         |
| PMS2402-Smart Presentation Remote | Spotlight / Magnifer / Digital Iaser / Annotation / Air Mouse / Vibrate reminder | ✗                                                                                                              | ✓       | ✓       | ✓       |         |
|                                   | PPT2105-tranScreen Mouse                                                         | Spotlight / Magnifer / Digital Iaser / Annotation / Air Mouse/ One-Click screen casting / One-Click screenshot | ✗       | ✓       | ✓       | ✓       |
| macOS                             |                                                                                  | Similar to Windows                                                                                             | ✓       | ✓       | ✓       | ✓       |
| Android                           | tranScreen                                                                       | Wireless casting / File / Photo / Audio / Video                                                                | ✓       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | PIN Code Cast                                                                                                  | ✓       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | GoogleCast                                                                                                     | ✗       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | Touchpad mouse                                                                                                 | ✓       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | Viewing mode                                                                                                   | ✗       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | Mirror control                                                                                                 | ✗       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | Touchback control                                                                                              | ✗       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | Wireless speaker                                                                                               | ✗       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | Wireless camera                                                                                                | ✗       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | Wireless note                                                                                                  | ✗       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | Wireless annotation                                                                                            | ✗       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | NFC Cast                                                                                                       | ✓       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | Presentation tools                                                                                             | ✗       | ✓       | ✓       | ✓       |
|                                   |                                                                                  | Mobile phone remote                                                                                            | ✗       | ✓       | ✓       | ✓       |
|                                   | Type C / HDMI Transmitter                                                        | Plug and Play                                                                                                  | ✓       | ✓       | ✓       | ✓       |
| iOS                               | tranScreen                                                                       | Similar to Android                                                                                             | ✓       | ✓       | ✓       | ✓       |
|                                   | Type C Transmitter                                                               | Plug and Play                                                                                                  | ✓       | ✓       | ✓       | ✓       |
| Chrome OS                         | tranScreen                                                                       | Software screen casting                                                                                        | ✓       | ✓       | ✓       | ✓       |
| Linux / Phytium UOS               | tranScreen                                                                       | Software screen casting                                                                                        | ✓       | ✓       | ✓       | ✓       |
|                                   | Type C / HDMI Transmitter                                                        | Plug and Play                                                                                                  | ✓       | ✓       | ✓       | ✓       |



**BYOM**  
Integration of Onsite&Online Meetings



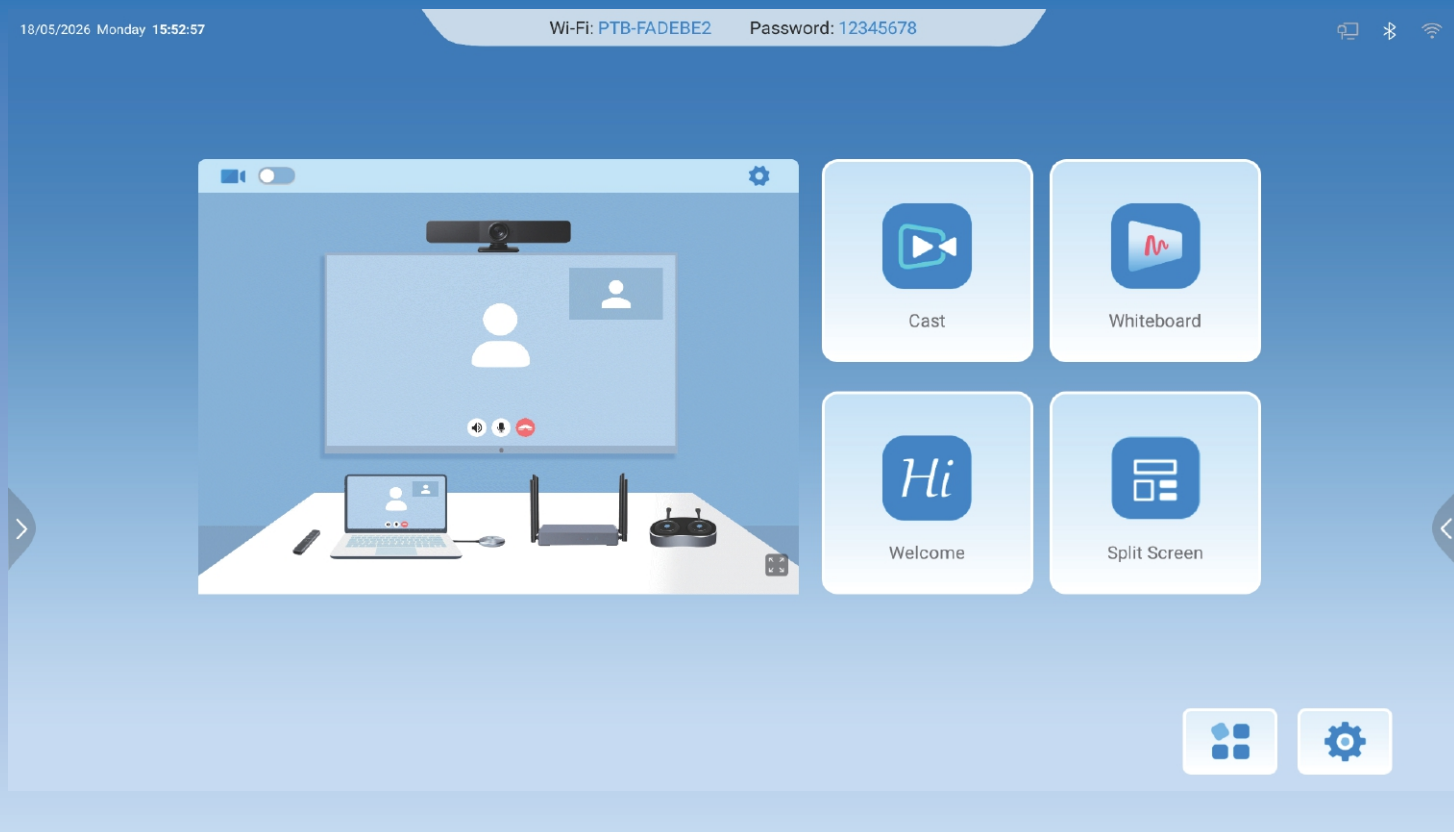
**9-split screen**  
Different personalized layouts



**One-to-multiple Cast**  
For big display scenarios



**Cloud Cast**  
Remote conference screen sharing



## PTB3219 4K Wireless Video Processor

The PTB3219 4K wireless video processor is designed for BYOM scenarios. Its core strength lies in seamlessly connecting all devices within the meeting room ecosystem. Once powered on, the system is immediately in a “ready-to-use” state—enabling one-click wireless presentation for both local and remote meetings. No IT administrator involvement or device configuration is required, truly delivering an “instant meeting start when participants are ready” experience.

4K

**4K Wireless Casting**  
9-split display, up to 16 concurrent connections. Audio input (wired/wireless). Support Android, iOS, Windows, macOS, Kylin, UOS, HarmonyOS.

BYOM

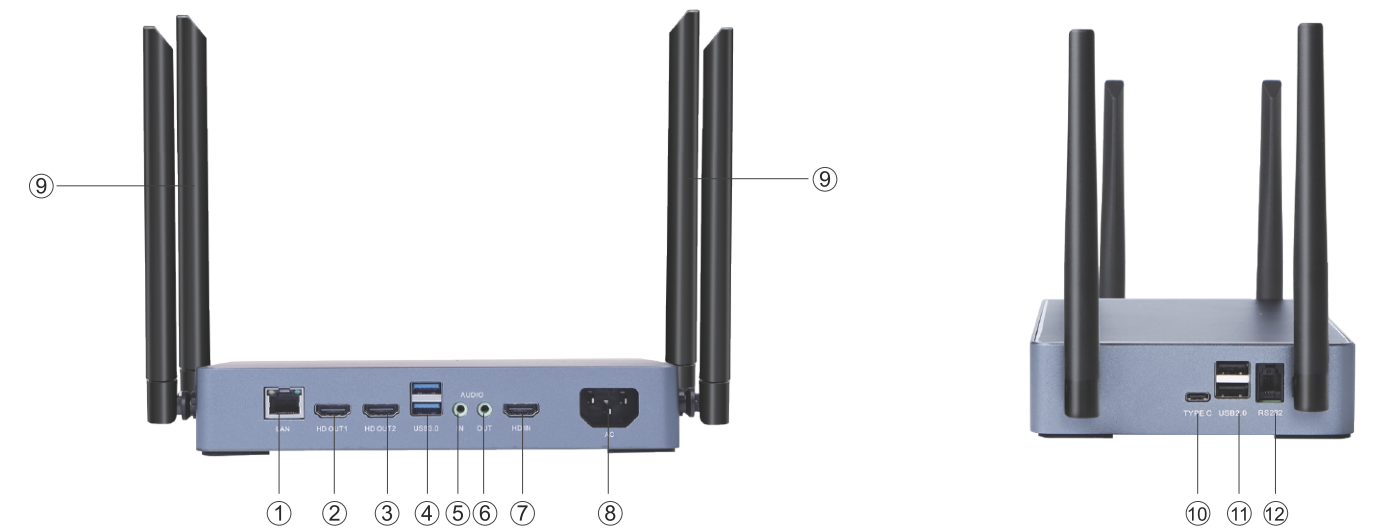
**BYOM Low-Latency**  
Works with Rooms, Zoom, Teams, and mainstream cameras (UVC/HDMI), Lip-sync A/V.

BYOM

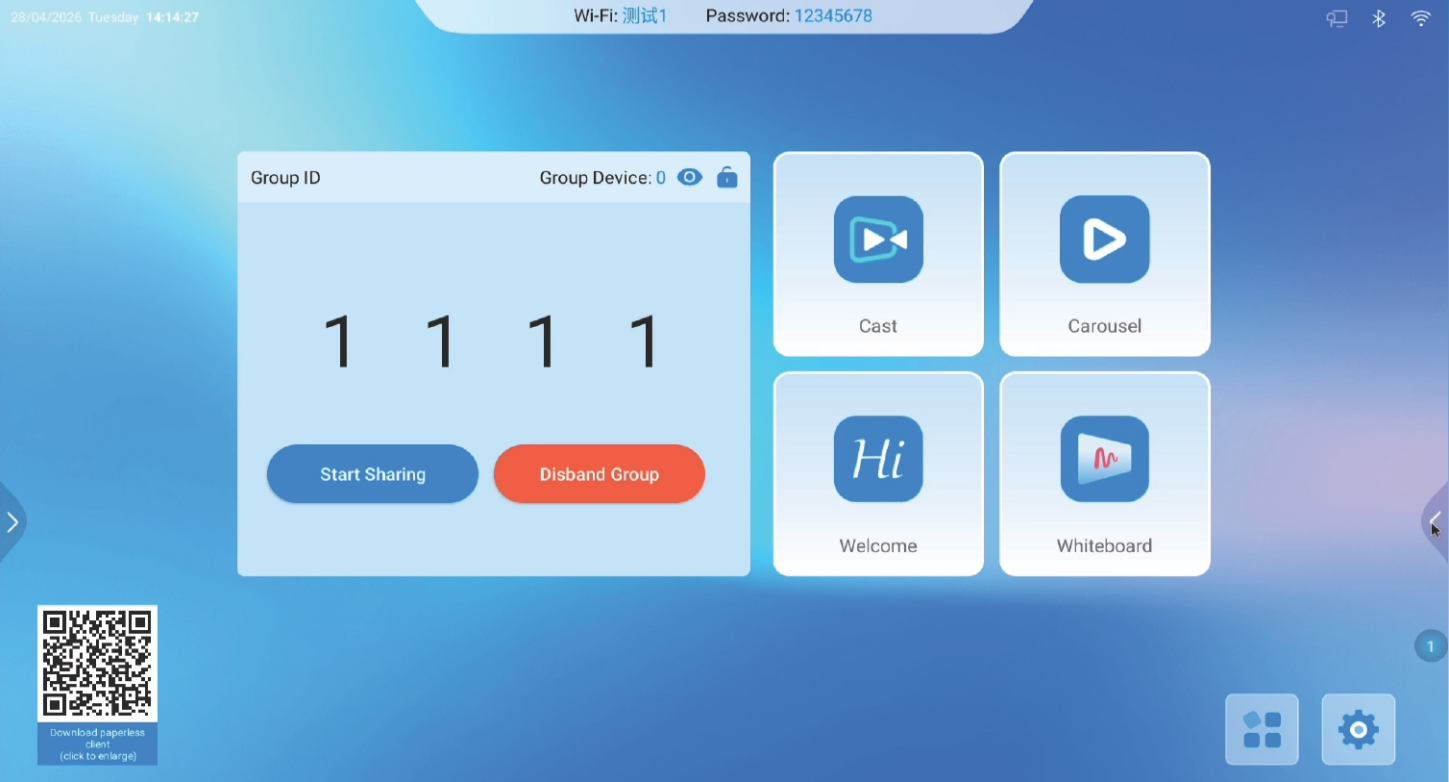
**Instant BYOM**  
Power-on ready; one-click start for local or remote meetings. No IT setup.

Smart Utilities

**Smart Utilities**  
Multi-source input, dual-screen independent display, carousel, whiteboard, welcome template, central control system, built-in operation video.



- |                                    |                     |            |
|------------------------------------|---------------------|------------|
| 1.Ethernet port (support 1000Mbps) | 5.Audio input port  | 9.Antenna  |
| 2.HDMI out 1                       | 6.Audio output port | 10.Type-C  |
| 3.HDMI out 2                       | 7.HDMI in port      | 11.USB 2.0 |
| 4.Blue USB port (3.0)              | 8.Power input port  | 12.RS232   |



PTB3509 4K Wireless Video Processor

The PTB3509 4K wireless video processor is designed for paperless meetings. Based on wireless screen casting, it seamlessly integrates the entire meeting process, before, during, and after, into a fully digital collaboration workflow. It completely eliminates paper documents, cable constraints, and inefficient communication, delivering an efficient, secure, and low-carbon smart meeting experience.



- 4K

Simple, quick, and cost-effective

All clients use Wi-Fi for wireless connectivity, eliminating the need for additional wiring.
- Multi-client

Supports up to 64 client connections and 9 wireless screen mirroring channels.
- BYOM ready

BYOM (Bring Your Own Meeting) meeting support for exceptional cost-effectiveness for online meeting.
- Self-service group collaboration

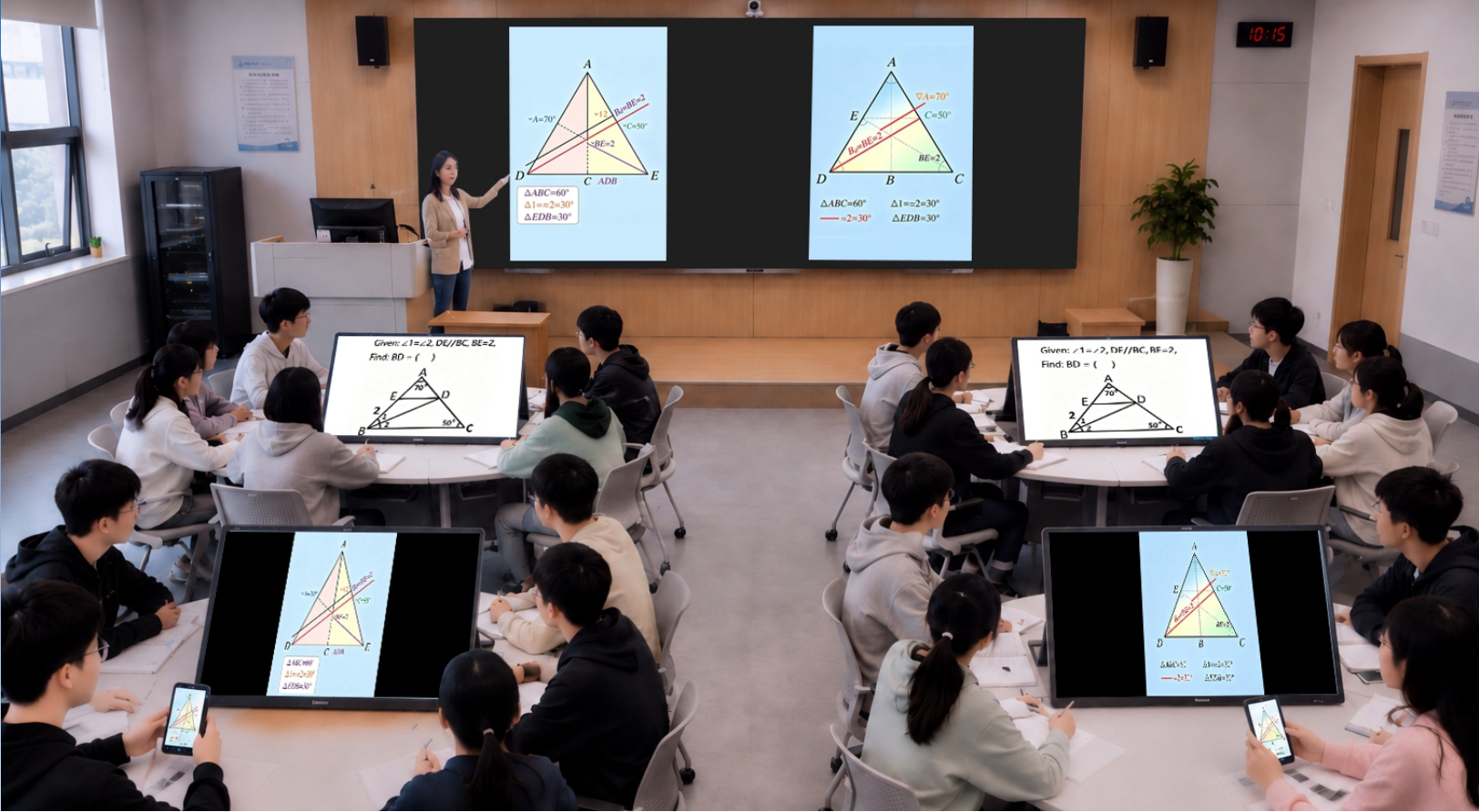
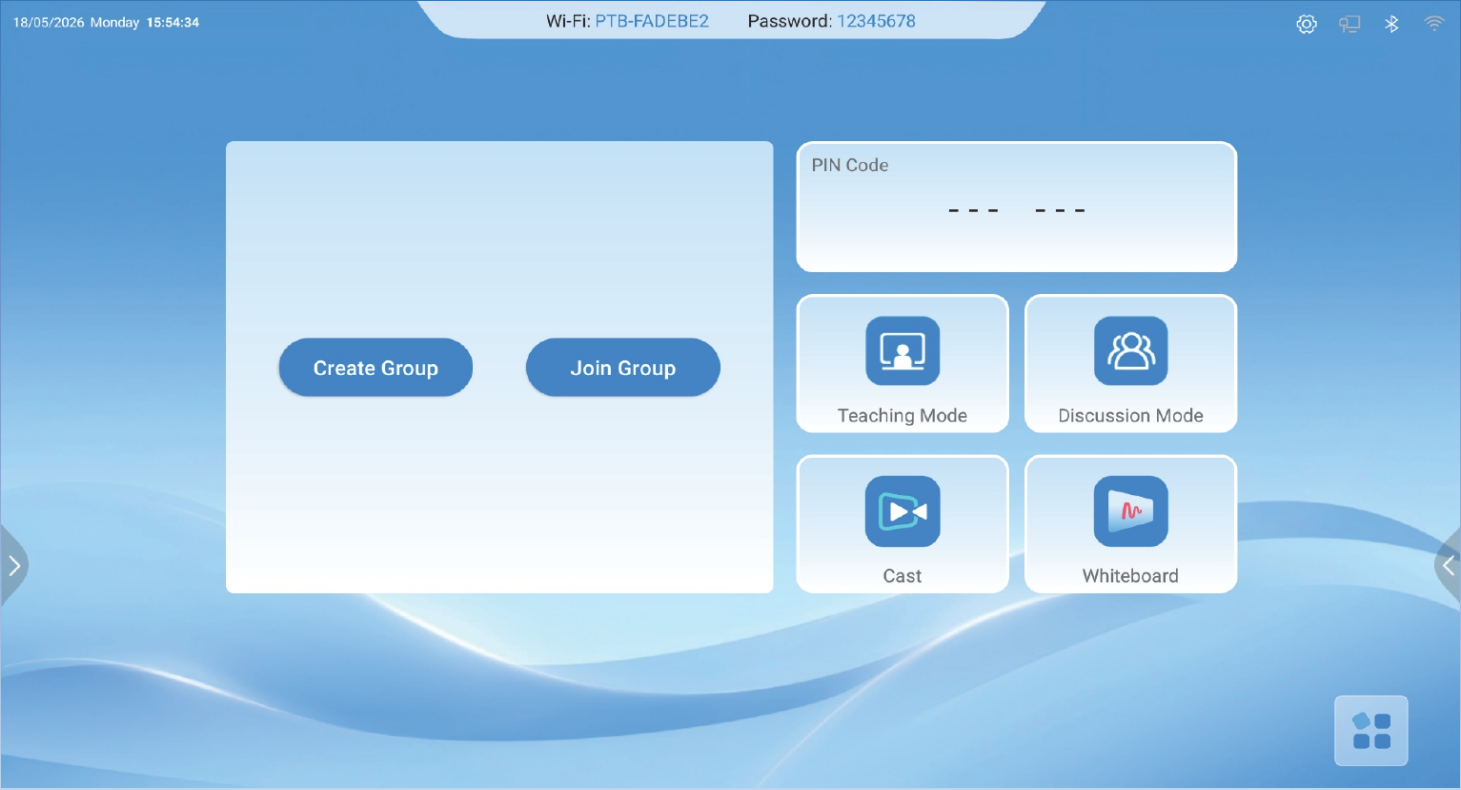
a. The meeting terminal can freely create groups and manage clients.

b. Clients can join groups independently with group ID.

c. The locking feature can ensure that only meeting clients can join the meeting.
- One-click paperless sync

Supports uploading meeting materials from multiple devices and syncing them to the main screen and participants' devices with one click — no need to print paper documents.
- Real-time collaborative annotation

Allows real-time annotation, highlighting key points from terminal and clients.



PTB3609 4K Wireless Video Processor

The PTB3609 4K wireless video processor is designed for smart education scenarios, enabling wireless screen sharing and interaction among teaching devices such as teacher screens, group screens, and student e-schoolbags. Teachers can operate the teacher screen to share its content with a single click, compare group screen content with a single click, or share content between group screens.



Interaction upgrade

Support multi-screen interaction from teachers and students, comparison, sharing, and collaborative inquiry learning



Flexible adaptation

Supports OPS computer connection for quick courseware access; supports 4K HD screen mirroring, RTSP recording, and remote live streaming



Controlled access

- 1. The teacher controls sharing, mirroring, and disconnecting the large screens
- 2. Support recording for reviews



Simple to use

- 1. One-click share, compare, distribute.
- 2. Easy to use, no complex training



Low-cost deployment

Low-cost, quick deployment, no renovation, easy maintenance, high cost-performance



Smart Guidance

Speech pen and mouse capture attention, boost teaching efficiency with multi-form indicators



## RTSP

This solution offers comprehensive RTSP streaming and serving capabilities, supporting both pushing video streams to external servers and operating as a local RTSP server. Users can configure custom push URLs for real-time transmission to video server platforms. Flexible authentication options (optional username/password) and standard RTSP address format (e.g., `rtsp://<IP>:8554/stream`) ensure easy integration with common players such as VLC Media Player.



### External RTSP Push

Push live video to any remote RTSP server via user-defined addresses



### Authentication Support

Optional username/password protection to secure access to local streams



### Standard Address Format

Default port 8554, default stream name stream for direct playback in VLC or any RTSP client



### Real-Time Preview

Once pushing or serving is active, the live feed can be viewed instantly using the same RTSP address

## PTB4615 Casting Receiver

PTB 4615 4K Full Screen tranScreen receiver is equipped with dual wireless network, which lets your device (maximum 8 devices connected) to cast 4K high-definition screen in the small and medium size meeting room.



Dual 5G network  
Easily surf the Internet while casting the screen



4K resolution  
Ultra HD resolution



One-to-multiple cast  
Multi-screen 360° display without blind spots perfect solution for conference rooms



USB flash drive carousel  
Supports picture and video carousel



Mirror control  
Remote control the big screen and preemptively prevent others from taking control



Supports Bluetooth speaker  
Compatible with most Bluetooth speakers on the market



NFC  
Supports NFC  
Enable one-touch casting



External view of PTB4615 Casting Receiver

# TRANSMITTER

|  RESOLUTION |  TYPE-C |  HDMI |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 2K                                                                                           | PTB1304                                                                                  | PTB1305                                                                                  |
| 4K+BYOM                                                                                      | PTB1312                                                                                  | PTB1308                                                                                  |



## Type-C Transmitter

The Type-C transmitter is available in two models: the PTB1304 2K transmitter and the PTB1312 4K BYOM transmitter. The pin definition of the Type-C interface includes the DP interface; therefore, so long as the DP interface contains a video stream, the Type-C transmitter can encode it after receiving, and then cast it to the receiver. Just plug and play, super easy to use.



PTB1304  
Type-C 2K Transmitter



PTB1312  
Type-C 4K BYOM Transmitter

## HDMI Transmitter

The biggest advantage of the HDMI commercial transmitter, PTB1305 2K transmitter, and PTB1308 4K BYOM transmitter. It can be directly plugged into the HDMI video output interface to project the video content output by the interface to the receiver.



PTB1305  
HDMI 2K Transmitter



PTB1308  
HDMI 4K BYOM Transmitter



PTM6302 Wireless Video Matrix

The PTM6302 is an innovative video matrix product that combines wired and wireless capabilities. To accommodate the usage habits and scenarios of traditional video matrix users, the product retains 4 wired video input ports and adds 1 wireless screen casting card input channel. The wireless screen casting card adopts a dual-network structure and comes with a screen casting hot-spot, capable of receiving wireless screen casting sources from up to 4 smart devices simultaneously. The wireless screen casting transmitter can use either tranScreen software or PaPa hardware transmitter, providing a simple and quick solution.

This video matrix integrates wired matrix and wireless screen casting into one structure, with video image resolution reaching RGB full color gamut 4:4:4. It is a novel and powerful wireless matrix splicing processor. The product adopts a pure hardware FPGA + embedded architecture, offering high cost-performance ratio, high reliability, and high stability as its prominent features. It supports narrow bezel LCD splicing and seamless DLP splicing, making it widely applicable in various industries such as transportation, power, fire protection, public security, water conservancy, finance, advertising media, government agencies, and large enterprises. The product fully considers the characteristics of customers in various industries and is suitable for various personalized application scenarios.

|                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div></div><div>Remote Control</div></div> <div>Support remote device configuration and distribute contents</div>                                                                                                           | <div><div></div><div>Wireless Control</div></div> <div>Use mobile phone/Pad to wirelessly connect to the matrix for on site configuration and playback control Management</div>                                                                                                                                     |
| <div><div></div><div>Multi-layout</div></div> <div>Supports 1080P@30Hz screen casting; supports 4 devices to cast screens simultaneously; supports screen casting from computers and mobile intelligent terminal software;</div> | <div><div></div><div>Supported Systems</div></div> <div>Supports screen casting from Windows, Mac OS transmitters; supports screen casting from Android or Harmony Type-C transmitters;</div>                                                                                                                       |
| <div><div></div><div>Customizable display</div></div> <div>Customizable display scene plans including window layout and video source allocation, up to 1000 display scene plans can be saved;</div>                              | <div><div></div><div>More features</div></div> <div>Supports subtitle editing, with adjustable font, color, size, and scrolling speed; adjustable subtitle background color and transparency; supports signal source and display device validity detection function; LED indicator can display device status;</div> |
| <div><div></div><div>Independent Control Software</div></div> <div>tranScreen WM Controller</div>                                                                                                                                |                                                                                                                                                                                                                                                                                                                     |





## PPT2801 Smart tranShare Hub

tranShare Hub is a powerful device designed for high-speed sharing and transmission of pictures, files, videos and other data between Windows, MacOS and Android devices, it can connect with multiple computers via Hub, when the host is in sleep mode, the mouse and keyboard will automatically switch to another host, no need to worry any interruption. The tranShare Hub helps users easily achieve cross-screen operation between devices of different systems, simplifies daily work for multi-screen scenarios.

-  **Cross-system connectivity**  
Mouse operation cross between Windows/MacOS seamlessly
-  **Shared peripherals**  
USB peripherals are shared between multiple computers via Hub
-  **Auto-switch in sleep mode**  
mouse and keyboard will automatically switch to another host when main host is in sleep mode
-  **PC/Android content copy**  
Support PC-Phone(Android) content copy



PPT2801 Smart tranShare Hub



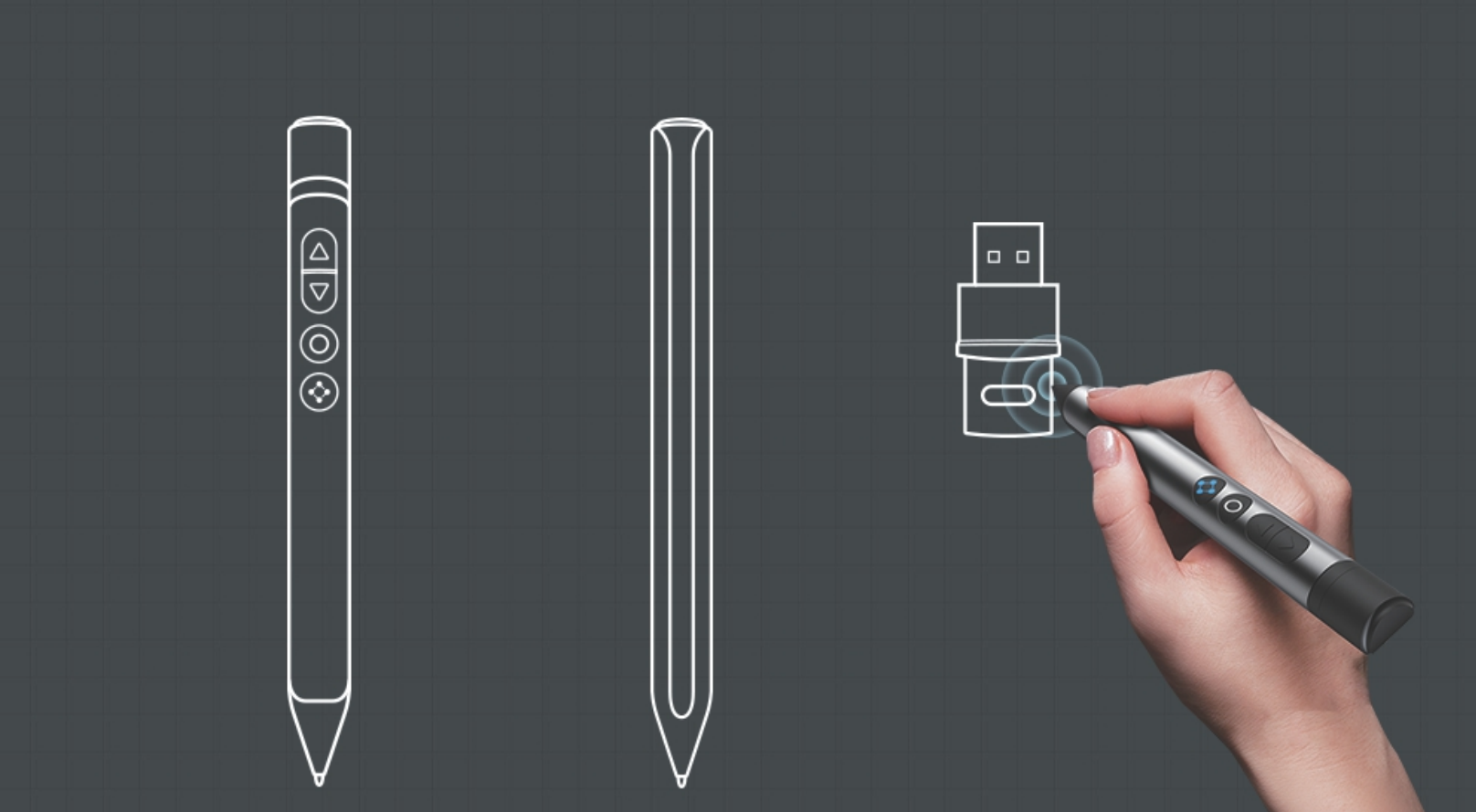
## Presentation Kit

The Presentation Kit: By using the PPT2105 Smart Presentation Pen with the PMS2402 Smart Presentation Mouse, users can give a speech with the Smart Presentation Pen while standing, at the same time, they can also use the Smart Presentation Mouse while sitting. The two share the same receiver, which is convenient and portable, easy to use, easy to operate, so as to realize seamless switching between teaching and speech. Even when network fluctuations occur, key content highlighted via the presentation tool can still be accurately captured by remote online participants.

-  **Digital laser**  
The laser pointer is clearly visible on the LCD and LED screens
-  **Magnifier**  
Easy zoom-in
-  **Spotlight**  
Block out distractions and highlight key points
-  **Physical laser distance**  
No longer chained to the podium-move around freely while maintaining lag-free precise control
-  **Transmission distance**  
360° without direction limit within 30 m
-  **90-day battery life**  
The battery can last for 90 days after charging for 1 hour, no more worries about the battery dying mid-presentation!
-  **Vibration reminder**  
Presentation countdown vibration reminder ensures you can end the presentation on time without having to hurry
-  **Mark**  
Visible in a variety of backgrounds, helping you catch the audience's attention
-  **Physical laser**  
The physical laser is suitable for projector screen



PPT2105+PMS2402



## PPT2201 Smart Whiteboard Pen

The PPT2201 Smart Whiteboard Pen is designed for all the needs of host, especially the need of fluent writing (more fluent and lower delay) on the whiteboard. It is also equipped with other functions, like spotlight, magnifier, digital laser, annotation, air mouse and other functions. In addition, concerning to our clients' different needs of way to launch tranScreen PWB1001 whiteboard software, we provide personalized service for you to customize the way to start this function.

-  **Digital laser**  
The laser pointer is clearly visible on the LCD and LED screens
-  **Magnifying glass**  
Easy zoom-in
-  **Color annotation**  
Visible in a variety of backgrounds, helping you catch the audience's attention
-  **Spotlight**  
Block out distractions and highlight key points



PPT2201 Smart whiteboard pen



## PTB-EXB Transmitter Display Stand

The PTB-EXB display stand is a two-position stand designed for displaying transmitters. The elegant and classy display stand is made of aluminum alloy. When two transmitters are placed on the stand, it exudes a futuristic and avant-garde style. It can not only enhance the look of the conference table, but also play a practical role in storing transmitters. It is especially suitable for use in high-end conference scenarios such as government conference rooms and corporate executive conference rooms.



Business display stand



Business display stand with transmitters



# BYOM Meeting Solution

Focus on Video Meetings & Quick Meetings & Efficient Collaboration

## Hardware Specifications:

|                        |               |                        |                           |               |                      |
|------------------------|---------------|------------------------|---------------------------|---------------|----------------------|
| CPU                    | 4-core ARMA55 | External wired network | 1000M LAN                 | Wi-Fi antenna | 4 channels/dual-band |
| DDR3                   | 2GB           | HDMI OUT               | 4K/2 channels/Displayable | USB3.0        | 2 channels           |
| eMMC                   | 16GB          | HDMI IN                | 4K/1 channel              | USB2.0        | Route 1              |
| Hot spot               | Wi-Fi6        | AUDIO IN               | Route 1                   | Type-C        | Route 1              |
| External wired network | Wi-Fi5        | AUDIO OUT              | Route 1                   | RS232         | Route 1              |

## Solution Configuration List:

| No. | Model   | Name                                     | Quantity | Standard configuration |
|-----|---------|------------------------------------------|----------|------------------------|
| 1   | PTB3409 | BYOM Meeting Terminal                    | 1        | ✓                      |
| 2   | PTB1312 | 4K wireless screen mirroring transmitter | 2        | ✓                      |
| 3   | PTB-EXB | Transmitter display stand                | 1        | ✓                      |
| 4   | PTB9403 | 4K Ultra HD Camera                       | 1        | ✗                      |
| 5   | PPT2105 | Smart Presentation Pen                   | 1        | ✗                      |
| 6   | PMS2402 | Smart Presentation Mouse                 | 1        | ✗                      |

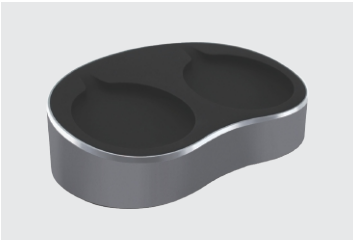
PTB3409



PTB1312



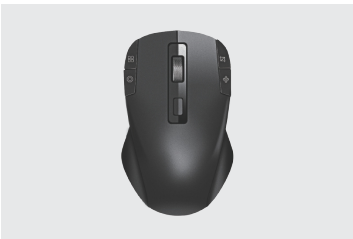
PTB-EXB



PTB9403



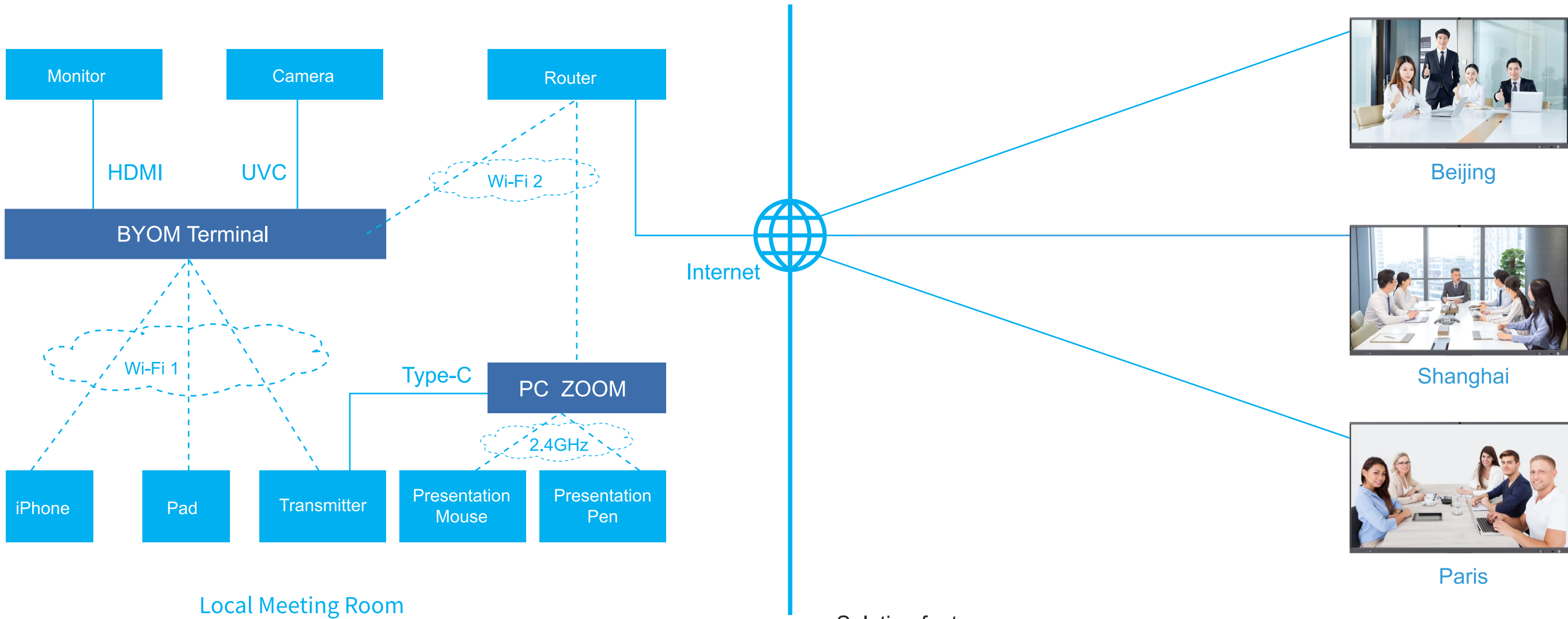
PPT2105



PMS2402

# BYOM Meeting Solution

BYOM Solution Diagram



The PTB3409 wireless video conferencing terminal is a BYOM (Bring Your Own Meeting ) scenario-specific solution developed by tranScreen over three years. Its key feature is seamless connectivity with all meeting room devices, entering 'ready' status upon startup. With a single-screen mirroring button, users can conduct local or remote meetings without IT administrators or device calibration, truly enabling 'immediate operation upon full attendance.'

Solution features:

- 1. 4K wireless screen mirroring with 9-spilt display, supporting wireless connection to 16 devices. Features audio input interface for wired/wireless video conferencing access. Compatible with Android,iOS, Windows, Kylin, UnionTech, and HarmonyOS devices for wireless screen mirroring.
- 2. BYOM Wireless Backhaul delivers ultra-low latency; fully compatible with leading video conferencing platforms including Rooms, Zoom, and Teams; supports UVC and HDMI video input for cameras from major manufacturers; ensures synchronized audio and video.
- 3. Start BYOM meetings instantly with one click—no extra steps needed to begin local or remote meetings.
- 4. The system features innovative and practical functions including multi-source input, dual-screen display, slideshow, meeting whiteboard, welcome speech, central control, and operation video.



# Paperless Meeting Solution

Focus on Video Meetings & Quick Meetings & Efficient Collaboration

## Hardware Specifications:

|                        |               |                        |                           |               |                      |
|------------------------|---------------|------------------------|---------------------------|---------------|----------------------|
| CPU                    | 4-core ARMA55 | External wired network | 1000M LAN                 | Wi-Fi antenna | 4 channels/dual-band |
| DDR3                   | 2GB           | HDMI OUT               | 4K/2 channels/Displayable | USB3.0        | 2 channels           |
| eMMC                   | 16GB          | HDMI IN                | 4K/1 channel              | USB2.0        | Route 1              |
| Hot spot               | Wi-Fi6        | AUDIO IN               | Route 1                   | Type-C        | Route 1              |
| External wired network | Wi-Fi5        | AUDIO OUT              | Route 1                   | RS232         | Route 1              |

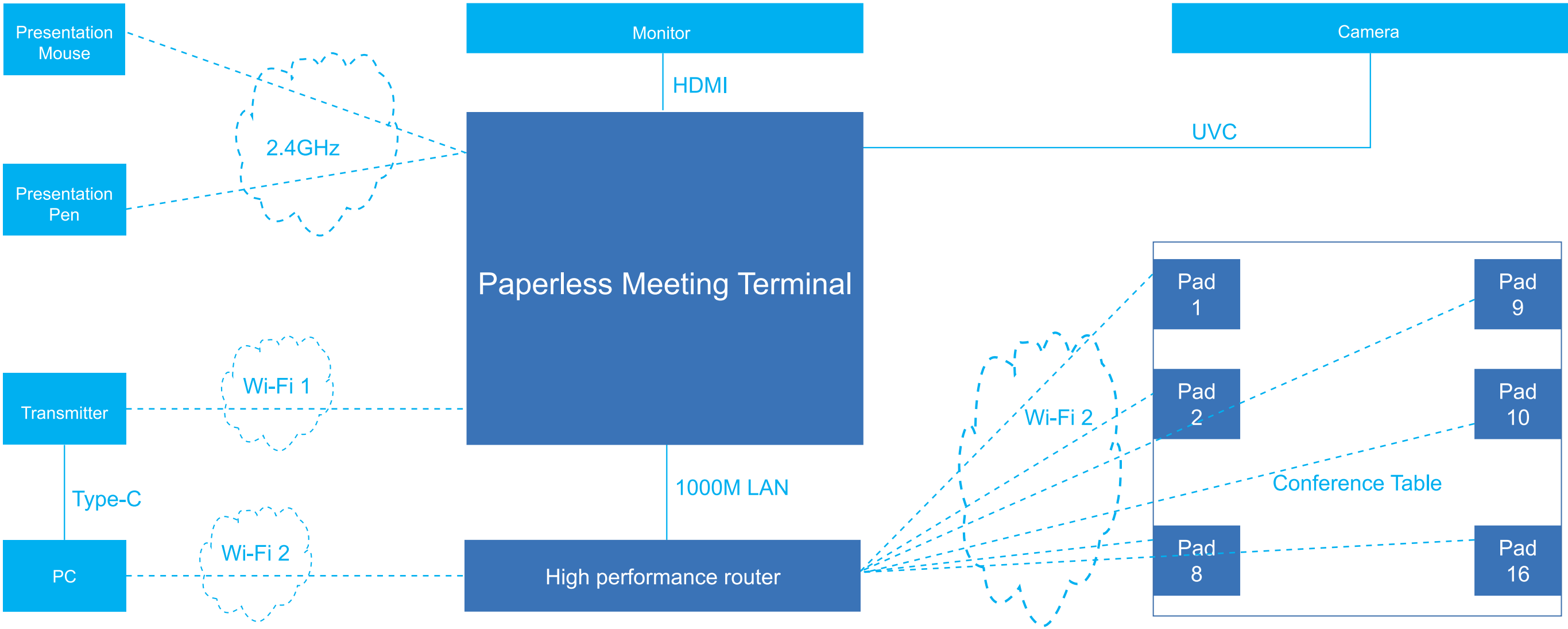
## Solution Configuration List:

| No. | Model   | Name                                     | Quantity | Standard configuration |
|-----|---------|------------------------------------------|----------|------------------------|
| 1   | PTB3509 | Paperless Meeting Terminal               | 1        | ✓                      |
| 2   | BR5400W | High performance router                  | 1        | ✓                      |
| 3   | ATS3501 | Desktop meeting terminal software        | 8        | ✓                      |
| 4   | PTB1312 | 4K wireless screen mirroring transmitter | 2        | ✗                      |
| 5   | PTB-EXB | Transmitter display stand                | 1        | ✗                      |
| 6   | OPD2301 | WPS Meeting                              | 8        | ✗                      |
| 7   | PTB9403 | 4K Ultra HD Camera                       | 1        | ✗                      |
| 8   | PPT2105 | Smart Presentation Pen                   | 1        | ✗                      |
| 9   | PMS2402 | Smart Presentation Mouse                 | 1        | ✗                      |



# Paperless Meeting Solution

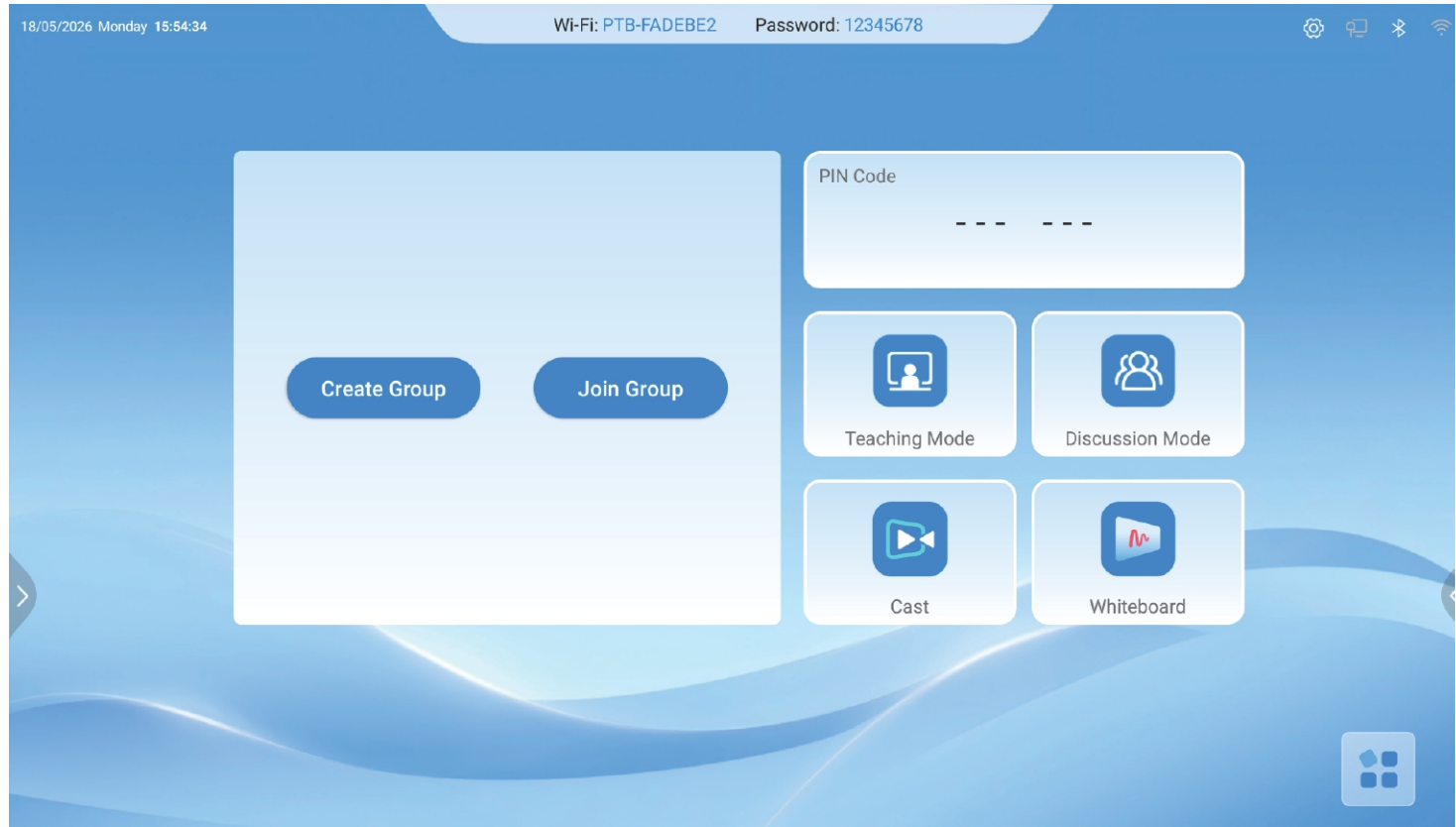
Topological diagram



This lightweight paperless wireless solution for meetings consists of three core components: a paperless meeting terminal, client software, and a high-performance router. Its standout features include wireless deployment, minimal installation requirements, excellent cost-effectiveness, and seamless interaction with smart wireless devices. With optional configurations, it fully supports BYOM (Bring Your Own Meeting) meeting functionality.

## Solution features:

1. All clients use Wi-Fi for wireless connectivity, eliminating the need for additional wiring. This makes deployment simple, quick, and cost-effective.
2. Supports up to 64 client connections and 9 wireless screen mirroring channels. Optional accessories are available, plus BYOM (Bring Your Own Meeting) meeting support for exceptional cost-effectiveness.
3. The meeting terminal can freely create groups and manage clients. Clients can join groups independently and display comments in reverse order.



Multi-Screen Interaction Solution

Focus on Video Meetings & Quick Meetings & Efficient Collaboration

Hardware Specifications:

|                        |               |                        |                            |              |                       |
|------------------------|---------------|------------------------|----------------------------|--------------|-----------------------|
| CPU                    | 4-core ARMA55 | External wired network | 1000M LAN                  | Wi-Fiantenna | 4 channels/ dual-band |
| DDR3                   | 2GB           | HDMI OUT               | 4K/2 channels/ Displayable | USB3.0       | 2 channels            |
| eMMC                   | 16GB          | HDMI IN                | 4K/1 channel               | USB2.0       | Route 1               |
| Hot spot               | Wi-Fi6        | AUDIO IN               | Route 1                    | Type-C       | Route 1               |
| External wired network | Wi-Fi5        | AUDIO OUT              | Route 1                    | RS232        | Route 1               |

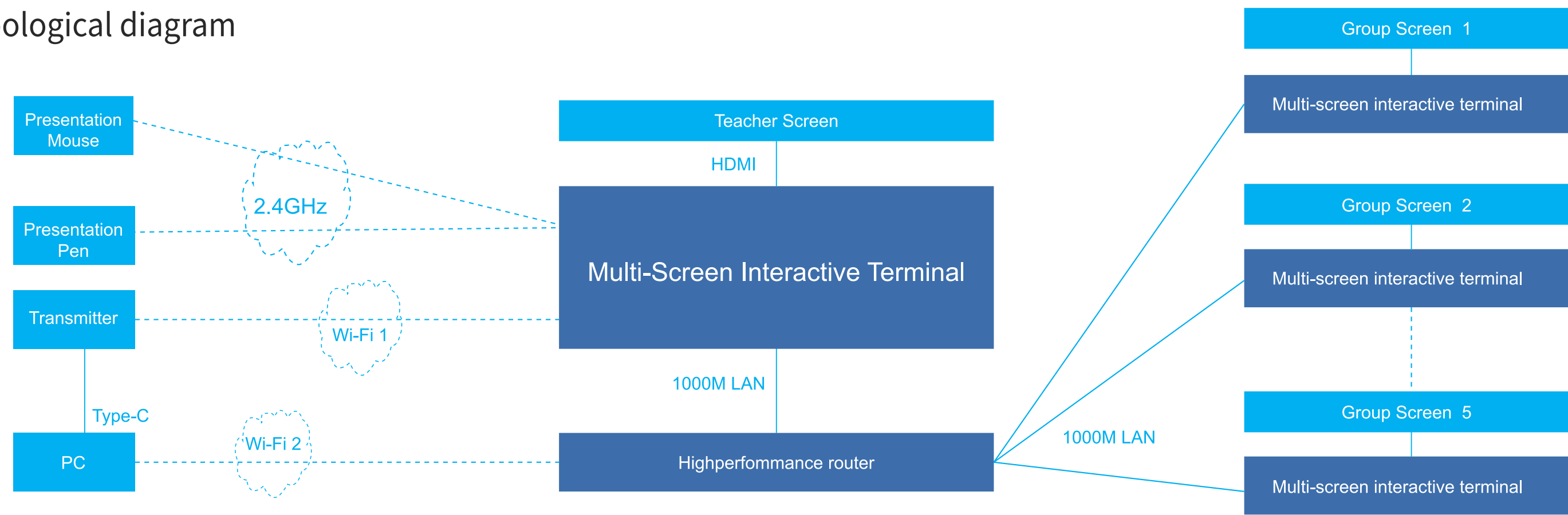
Solution Configuration List:

| No. | Model   | Name                                     | Quantity | Standard configuration |
|-----|---------|------------------------------------------|----------|------------------------|
| 1   | PTB3609 | Multi-screen interactive terminal        | 5        | ✓                      |
| 2   | PTB1312 | 4K wireless screen mirroring transmitter | 1        | ✓                      |
| 3   | BR5400W | High performance router                  | 1        | ✓                      |
| 4   | PPT2105 | Smart Presentation Pen                   | 1        | ✗                      |
| 5   | PMS2402 | Smart Presentation Mouse                 | 1        | ✗                      |



# Multi-Screen Interaction Solution

Topological diagram



The PTB3609 multi-screen interactive solution is designed for smart education scenarios, enabling wireless screen sharing and interaction among teaching devices such as teacher screens, group screens, and student e-schoolbags. Teachers can operate the teacher screen to share its content with a single click, compare group screen content with a single click, or share content between group screens.

### Solution features:

1. Interaction upgrade:

The platform enables multi-directional interaction between teacher screens and group screens, as well as among group screens, supports homework comparison and cross-group sharing, aligning with the principles of inquiry-based and collaborative teaching. Students transition from "passive listening" to "active presentation and enthusiastic discussion," thereby stimulating creativity

2. Flexible adaptation:

Supports OPS computer connection for quick courseware access; supports 4K HD screen mirroring, RTSP recording, and remote live streaming.

3. Controlled access:

The teacher controls the entire session, managing group screen content sharing, screen mirroring permissions, screen freezing, and disconnecting problematic devices to prevent classroom disruptions. It also supports screen mirroring log recording, facilitating school-based teaching research reviews or issue tracing.

4. Simple to use:

Core features like sharing, comparing, and distributing all support one-click operation, requiring no complex training for teachers—just learn and use right away. Students can screen share and share freely without additional training.

5. Low-cost deployment:

No large-scale classroom renovation is required, deployment is simple and quick, maintenance costs are low, and the cost- performance ratio is extremely high.

6. Smart Guidance:

The multi-form indicator tool, including a speech pen and a speech mouse set, captures students' attention and enhancesteaching efficiency.

# ARS Series Screen Casting Software

ARS series is tranScreen most important Android version screen casting software. It primarily provides software customization or integration services for all-in-one device manufacturers. This series of software has two sub-series: ARS1500 series and ARS1700 series, with the former focusing on high-end demand and the latter middle-end ( general customers) scenarios.

ARS series screen casting software is compatible with all transmitters and tranScreen software. It also integrates PPTR2100 series pen-mouse receiver software. As soon as the PPT2105 smart presentation remote, PPT2201 smart whiteboard pen, or PMS2402 smart tranScreen mouse are connected, you can immediately start using them without the need to install any software.

|                        | OS platform | Neutral version | UI customization | SDK integration | Custom development |
|------------------------|-------------|-----------------|------------------|-----------------|--------------------|
| Transcreen Receiver    | Windows     | ✓               | ✓                | ✓               | ✓                  |
|                        | Android     | ✓               | ✓                | ✓               | ✓                  |
|                        | Linux       | ✗               | ✓                | ✗               | ✓                  |
| tranScreen Transmitter | Android     | ✓               | ✗                | ✓               | ✓                  |
|                        | iOS         | ✓               | ✗                | ✓               | ✓                  |
|                        | Chrome      | ✓               | ✗                | ✗               | ✓                  |
|                        | Windows     | ✓               | ✗                | ✓               | ✓                  |
|                        | macOS       | ✓               | ✗                | ✓               | ✓                  |
|                        | Linux       | ✓               | ✗                | ✗               | ✓                  |
|                        | Harmony OS  | ✓               | ✗                | ✓               | ✓                  |
|                        | UOS         | ✓               | ✗                | ✗               | ✓                  |
|                        | Kylin       | ✓               | ✗                | ✗               | ✓                  |
|                        | Ubuntu      | ✓               | ✗                | ✗               | ✓                  |
|                        |             |                 |                  |                 |                    |

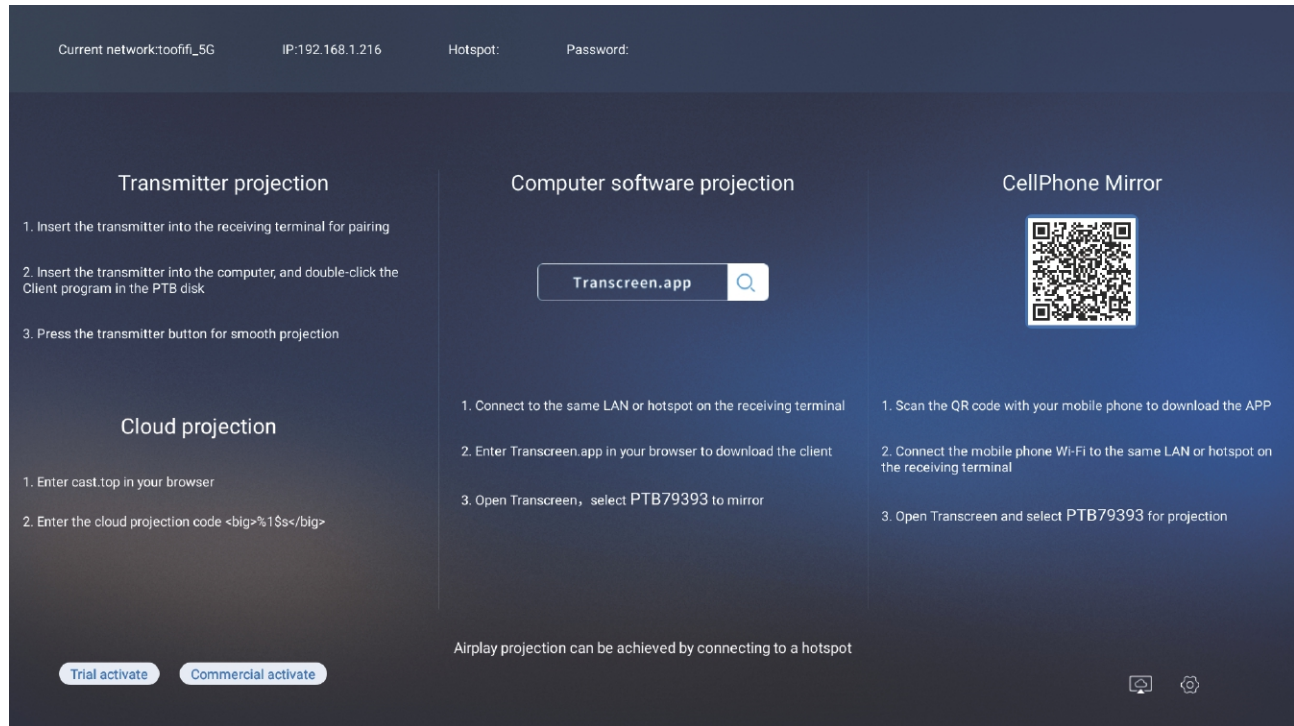
## ARS1500 Series Screen Casting Software

The ARS1500 series screen casting software has two versions-ARS1501 single-split version and ARS1509 9-split version. Most of the functions of the two versions are the same except for the difference in the number of screens projected concurrently. The advanced functions of this series include Chomecast, Miracast, Cloud Cast, file sharing, BYOD sharing, Wireless Host Control, Mirror Control, mirroring preview, one-to-multiple cast, and more. With several unique features and multi-scenario applicability, this version is particularly suitable for bidding.

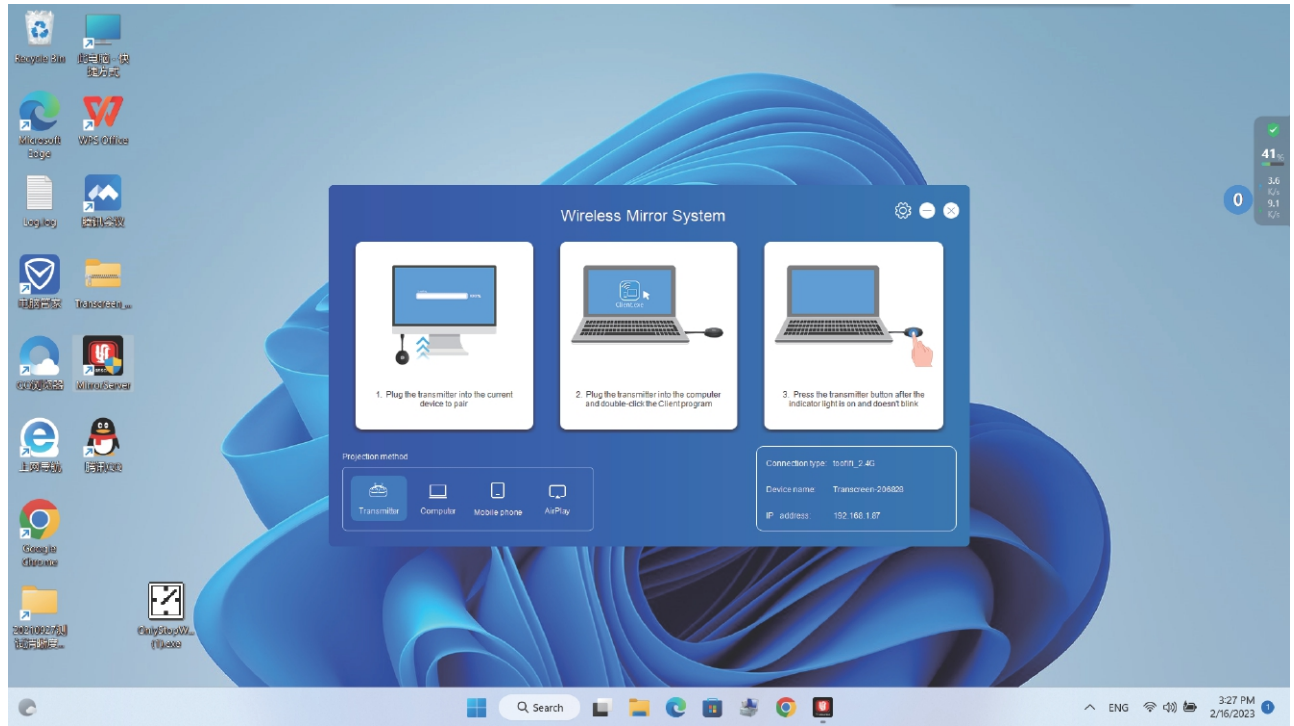
## ARS1700 Series Screen Casting Software

This is a basic screen casting software with excellent convention indicators. The average delay is less than 100 ms by hardware transmitter. Continuous screen casting time is up to 72 hours and not to disconnect by the hardware transmitter, and it covers common functions. This software series has two sub-versions: ARS1701 Android TV version screen casting software and ARS1704 Android simple version screen casting software. The main function of ARS1701 is screen casting, including mirror, AirPlay, and DLNA. It supports the tranScreen transmitter of various platforms. Although hardware transmitter casting is also supported, there are fewer configurations for home-use scenarios.

This software is specially developed and designed for home TV, and the core concept behind its development is its ease of use and operation. The ARS1704 is screen casting software specially developed for lightweight whiteboard; it can receive screen castings from four transmitters concurrently, and basically requires a hardware transmitter to facilitate screen casting operation. Since 4-split screens are available, there are also some split screen control functions, such as mirroring preview, mirror equalization, and others. It should be noted that the ARS1500 series software and ARS1700 series software have the same main interface, and the difference between them is that there are specific functions that are quite different.



Main interface of ARS1500 and ARS1700 series screen casting software



Interface of WRS series screen casting software

## WRS Series Screen Casting Software

WRS series is a 4-split screen receiver software based on the Windows platform. Compared with the ARS series screen casting software, the WRS series software features screen casting from computer to computer, thus covering a very distinctive usage scenario: computers of colleagues in the office can be used for mutual casting, thereby greatly improving the efficiency of group discussion. During meetings outside the office or on business trips, computers of colleagues can also be used for mutual casting through mobile phone hotspots. There is one specific outstanding feature-it can be used to cast the mobile phone screen to the computer. Like the ARS series software, the WRS series software also integrates the PPTR2100 multi-platform interactive indication software, so whether it is a smart presentation remote or a smart screen casting mouse, plug and play is supported. It is particularly useful when the PMS2400 series smart screen casting mouse is used with the WRS series software, when the mouse becomes a true multi-purpose mouse-not only can it be used as a normal mouse, it can also be to indicate or annotate like a presentation remote, and used as a hardware transmitter, thereby achieving one-button screen casting. The WRS series screen casting software is usually used for OPS computers of all-in-one devices, combined with the Windows version remote video conferencing software, thereby greatly improving the convenience fact of all-in-one devices.

## Single-Function Software

### iRS1500 Android Version AirPlay Receiver Software

The iRS1500 Android version AirPlay receiver software has two versions-iRS1501 single-channel AirPlay receiver software and iRS1504 four-channel AirPlay receiver software. The software supports user development through the provision of the SDK library file or APK.

### iRS1600 Windows Version AirPlay Receiver Software

The iRS1600 Windows version AirPlay receiver software is the same as the Android version. There are also two versions-single-channel iRS1601 and multi-channel iRS1604. The software supports user development through the provision of the SDK library file.

### mRS1501 Android Version Miracast Receiver Software

tranScreen also offers a Miracast receiver screen casting software based on the Android version. Through its own Miracast, the smartphone can be used to cast the screen to the receiver software integrated with the mRS1501 library file. At the same time, we also provide users an APK to reduce the development complexity and shorten the development cycle.

### gRS1501 Android Version Chrome Cast Receiver Software

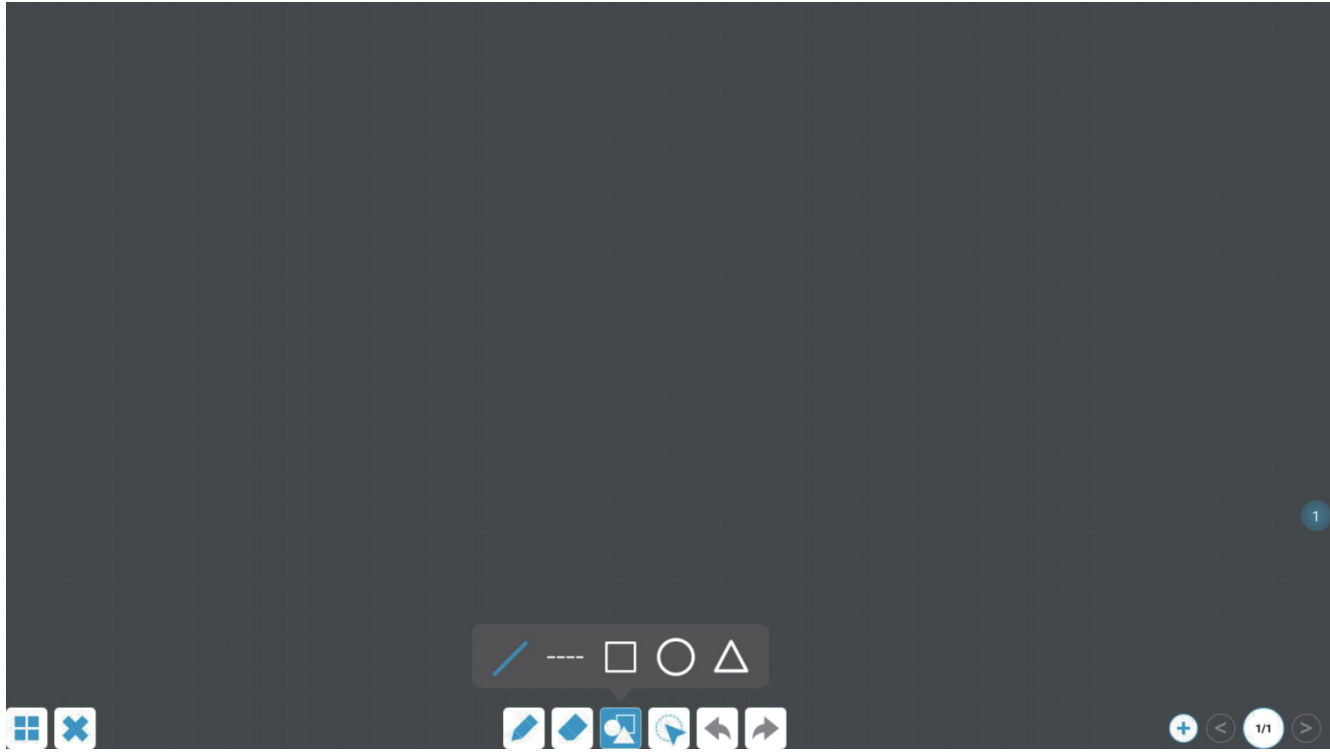
tranScreen also offers a Google Cast receiver screen casting software based on Android. The transmitter directly casts the screen through the Google browser. Due to the integration difficulty and in order to improve integration success, this product only offers an APK at present. Communication is established with the associated APK to achieve the calling and control function, and SDK library files are not provided.

### iwRS1501 Android Version Wired Screen Casting Software

This is a two-terminal software for Android devices to cast the screen through a Type C transmission cable. On the Android receiver platform, users can integrate the SDK library files of iwRS1501 software, or directly install the APK; on the Android transmitter device, a USBcast software needs to be installed. In this way, when an Android device installed with USBcast is plugged into the Android platform installed with iwRS1501 through a Type C cable, the display content of the Android device is directly mirrored to the Android platform, and the Android device can also be controlled.

### PWB1001 Whiteboard Software

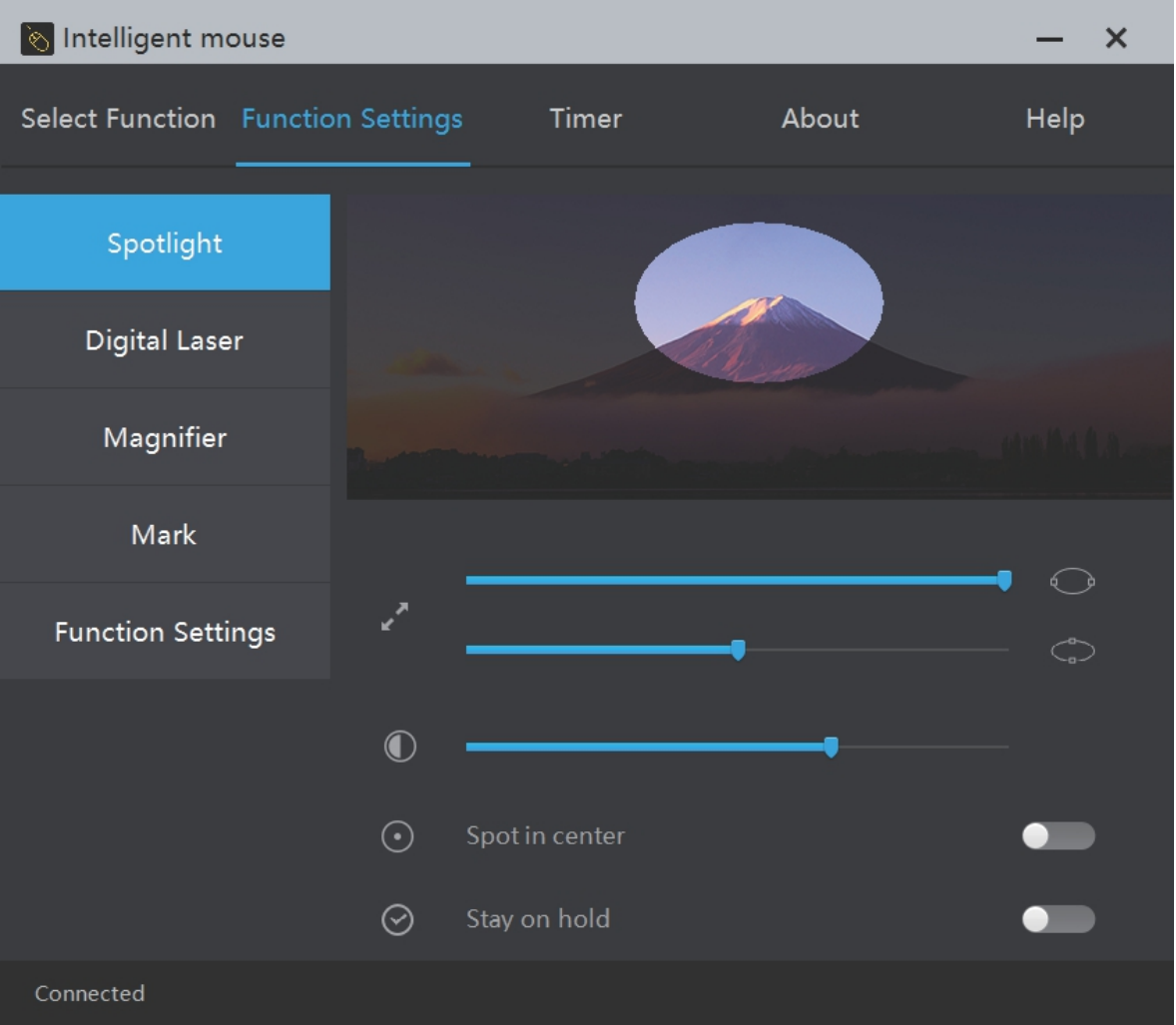
The PWB1001 whiteboard software is a lightweight conference software that runs on an Android platform; it provides cache acceleration capabilities for smooth writing. The software has two writing styles: hard-pen writing and soft-pen writing. It can be used to directly draw simple geometric shapes, such as rectangles, circles, triangles, straight lines, etc. The interface is simple and fresh, it is easy to operate and easy to learn, and the main functions such as drawing lines, drawing graphics and erasing can be executed in one step. The setup menu of the whiteboard software also has common functions such as code scanning, file saving, picture insertion, changing background, and so on. In short, this software is designed to be simple and pragmatic, ensuring a reasonable balance between operation and learning costs and functional diversity.



Main interface of PWB1001 whiteboard software

PPTR2100

PPTR2100 is a multi-platform pen mouse receiver software, compatible with Android, Windows, and Mac OS platforms. The software is also compatible with the PPT 2100 series smart presentation remote, PPT 2200 series smart whiteboard pen, and PMS2400 series smart screen casting mouse. This software can also be integrated into the ARS series and WRS series screen casting software, thereby realizing a combination of screen casting and indication interaction, providing users with a more novel and unique usage experience and operation convenience. The core functions of the software include searchlight, Magnifier, digital laser, and annotation. When used with the PMS2400 series smart screen casting mouse, it also includes the screenshot and desktop return functions, especially one-button screen casting function, which is quite innovative as it not only saves the screen casting transmitter cost, but also caters to the long-term one-button screen casting habit of users, thereby resolving the market demand contradiction between the universality and convenience of screen casting and more expensive transmitters. This product will play a positive role in promoting the popularization of screen casting.



Main Interface of PPTR2100 pen mouse receiver software