



TCL科技集团成员

A large graphic on the right side of the slide features a blue grid pattern that resembles a flat panel display. The word "MOKA" is written in large, white, 3D-style letters across the top of the grid. The background behind the grid is a blue sky with light clouds.

MOKA

IRX82P

Interactive Flat Panel Display

INTERACTIVE FLAT PANEL DISPLAY

65 82P / 75 82P / 86 82P

DESCRIPTION

MOKA Interactive Display is a 4K professional touch screen for meeting rooms and classrooms.

Available in 65", 75", and 86", it features a VA panel, DLED backlight, 400 cd/m² brightness, and 5000:1 contrast. It runs on Android 14 with 8GB RAM and 128GB storage, supporting Wi-Fi 6 and Bluetooth 5.2. The screen supports IR touch with up to 50 touch points, fast response, and palm rejection. It offers wide connectivity including HDMI, USB, Type-C, DP, VGA, LAN, RS232, and OPS, built-in 2×15W speakers, optional subwoofer, and is designed for 18/7 operation.



Display & Touch System



Specification	65"	75"	86"
Size	65"	75"	86"
Screen Type	VA	VA	VA
Panel Vendor	CSOT	CSOT	CSOT
Optical Distance	OD20	OD20	OD20
Aspect Ratio	16:09	16:09	16:09
Resolution	3840 × 2160	3840 × 2160	3840 × 2160
Backlight	DLED	DLED	DLED
Refresh Rate	60 Hz	60 Hz	60 Hz
Response Time	8 ms	8 ms	8 ms
Display Color	1.07B (8bit + FRC)	1.07B (8bit + FRC)	1.07B (8bit + FRC)
NTSC Gamut	72%	72%	72%
Brightness (with glass)	400 cd/m ²	400 cd/m ²	400 cd/m ²
Contrast Ratio	5000:01:00	5000:01:00	5000:01:00
Viewing Angle	178°	178°	178°
Haze	25%	25%	25%
Lifetime	50,000 Hours	50,000 Hours	50,000 Hours
Orientation	Landscape	Landscape	Landscape
18/7 Operation	Yes	Yes	Yes
Touch Technology	IR	IR	IR

Display & Touch System



OS Compatibility	Windows / Linux / Mac / Android	Windows / Linux / Mac / Android	Windows / Linux / Mac / Android
Touch Points	50 (Windows & Android)	50 (Windows & Android)	50 (Windows & Android)
Writing Points	10 Writing / 50 Touch	10 Writing / 50 Touch	10 Writing / 50 Touch
Touch Tool	Finger, Passive Pen, Opaque Objects	Finger, Passive Pen, Opaque Objects	Finger, Passive Pen, Opaque Objects
Touch Response	< 3.3 ms	< 3.3 ms	< 3.3 ms
Accuracy	±1 mm (90% area)	±1 mm (90% area)	±1 mm (90% area)
Dual Pen Writing	Yes	Yes	Yes
Min Object Size	2 mm	2 mm	2 mm
Glass	High Haze (5–11%), AG, AF	High Haze (5–11%), AG, AF	High Haze (5–11%), AG, AF
Bonding	Zero Bonding (0.9 mm)	Zero Bonding (0.9 mm)	Zero Bonding (0.9 mm)
Palm Rejection	Yes	Yes	Yes

System, Audio & Sensors



Specification	65"	75"	86"
Android Version	Android 14	Android 14	Android 14
CPU	A72 ×4 + A53 ×4	A72 ×4 + A53 ×4	A72 ×4 + A53 ×4
Chipset	RK3576	RK3576	RK3576
GPU	ARM Mali G52 MC3	ARM Mali G52 MC3	ARM Mali G52 MC3
RAM	8 GB	8 GB	8 GB
ROM	128 GB	128 GB	128 GB
Wi-Fi	Wi-Fi 6	Wi-Fi 6	Wi-Fi 6
Bluetooth	5.2	5.2	5.2
Launcher Resolution	3840 × 2160	3840 × 2160	3840 × 2160
UI	4K	4K	4K
Speaker	Built-in Speaker	Built-in Speaker	Built-in Speaker
Speakers Output Power	2 × 15W	2 × 15W	2 × 15W
Subwoofer	20W (Optional)	20W (Optional)	20W (Optional)
Microphone	Supported	Supported	Supported
Camera	Supported	Supported	Supported
Ambient Light Sensor	Supported	Supported	Supported
Motion Sensor	Supported	Supported	Supported
NFC	Supported	Supported	Supported
Front Keypad	Power / Vol- / Vol+ / Menu / Home / Return	Power / Vol- / Vol+ / Menu / Home / Return	Power / Vol- / Vol+ / Menu / Home / Return

Connectivity & Interfaces



Interface	65"	75"	86"
HDMI IN 2.0	1 (Front) + 2 (Rear)	1 (Front) + 2 (Rear)	1 (Front) + 2 (Rear)
HDMI OUT 2.0	1	1	1
DP IN 1.2	1	1	1
VGA	1	1	1
USB 3.0	2 Front (Public) + 2 Rear (1 Public + 1 Android)	2 Front (Public) + 2 Rear (1 Public + 1 Android)	2 Front (Public) + 2 Rear (1 Public + 1 Android)
USB 2.0	1 (Android)	1 (Android)	1 (Android)
USB Touch	1 Front + 1 Rear	1 Front + 1 Rear	1 Front + 1 Rear
Type-C	Front 65W + Rear 15W	Front 65W + Rear 15W	Front 65W + Rear 15W
LAN (RJ45)	2 (1000M, In + Out)	2 (1000M, In + Out)	2 (1000M, In + Out)
RS232	1	1	1
OPS Slot	1 × 80-PIN	1 × 80-PIN	1 × 80-PIN
S/PDIF	Optical ×1	Optical ×1	Optical ×1
MIC IN	3.5 mm	3.5 mm	3.5 mm
Line IN (VGA)	3.5 mm	3.5 mm	3.5 mm
Line OUT	3.5 mm	3.5 mm	3.5 mm

Power, Mechanical, Accessories & Software



Specification	65"	75"	86"
Power Input	100-240V ~ 50/60Hz	100-240V ~ 50/60Hz	100-240V ~ 50/60Hz
Standby Power	≤ 0.5W	≤ 0.5W	≤ 0.5W
Normal Power	320W	410W	490W
Max Power	390W	480W	570W
Wake on LAN	Yes	Yes	Yes
Dimension	1485 × 890 × 86.4 mm	1706.9 × 1013.4 × 86.8 mm	1953.1 × 1153.1 × 86.7 mm
Package Size	1645 × 192 × 1050 mm	1900 × 192 × 1180 mm	2100 × 230 × 1305 mm
Net Weight	36.4 kg	49 kg	61 kg
Gross Weight	59.2 kg	64 kg	81 kg
VESA	500 × 400 mm	600 × 400 mm	800 × 400 mm
Power Cable	3 m ×1	3 m ×1	3 m ×1
USB / HDMI / USB-C Cable	Optional	Optional	Optional

Power, Mechanical, Accessories & Software



Writing Pen	2 pcs	2 pcs	2 pcs
Remote Control	1 pc (RC870)	1 pc (RC870)	1 pc (RC870)
Battery	Included	Included	Included
Wall Mount	Included	Included	Included
Stand	Optional	Optional	Optional
Operating Temperature	0°C – 40°C	0°C – 40°C	0°C – 40°C
Operating Humidity	10% – 90%	10% – 90%	10% – 90%
Storage Temperature	-20°C – 60°C	-20°C – 60°C	-20°C – 60°C
Storage Humidity	10% – 90%	10% – 90%	10% – 90%
EDLA	Supported	Supported	Supported
Casting App	Meeting Mode / Eshare / Montage	Meeting Mode / Eshare / Montage	Meeting Mode / Eshare / Montage
MDM	Easy Control	Easy Control	Easy Control
Office App	Office Suite	Office Suite	Office Suite

IRX82

Efficient & Easy

Interactive Flat Panel Display



IRX82 USP

Ultra narrow metal frame

Ultra thin integrated design



4K

Display
UI
White Board

PureSound

High quality audio-visual effect

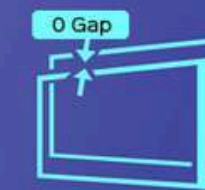
Precise writing

exceptional writing experience



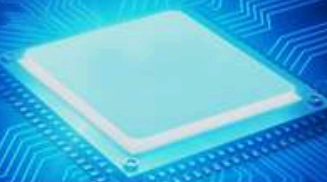
Zero Gap

See more clearly
More fluent writing



Octa-core

Efficient computing power

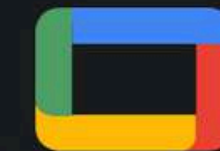


8GB RAM + 128GBROM



Android 14 EDLA

Support Google GMS EDLA



EDLA

WIFI 6

Faster wireless connection

1000M NetWork

Wired high-speed network



Meeting Tools



TYPE-C

More Interface



7月22日周一



Google



白板



文件管理

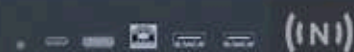


设置

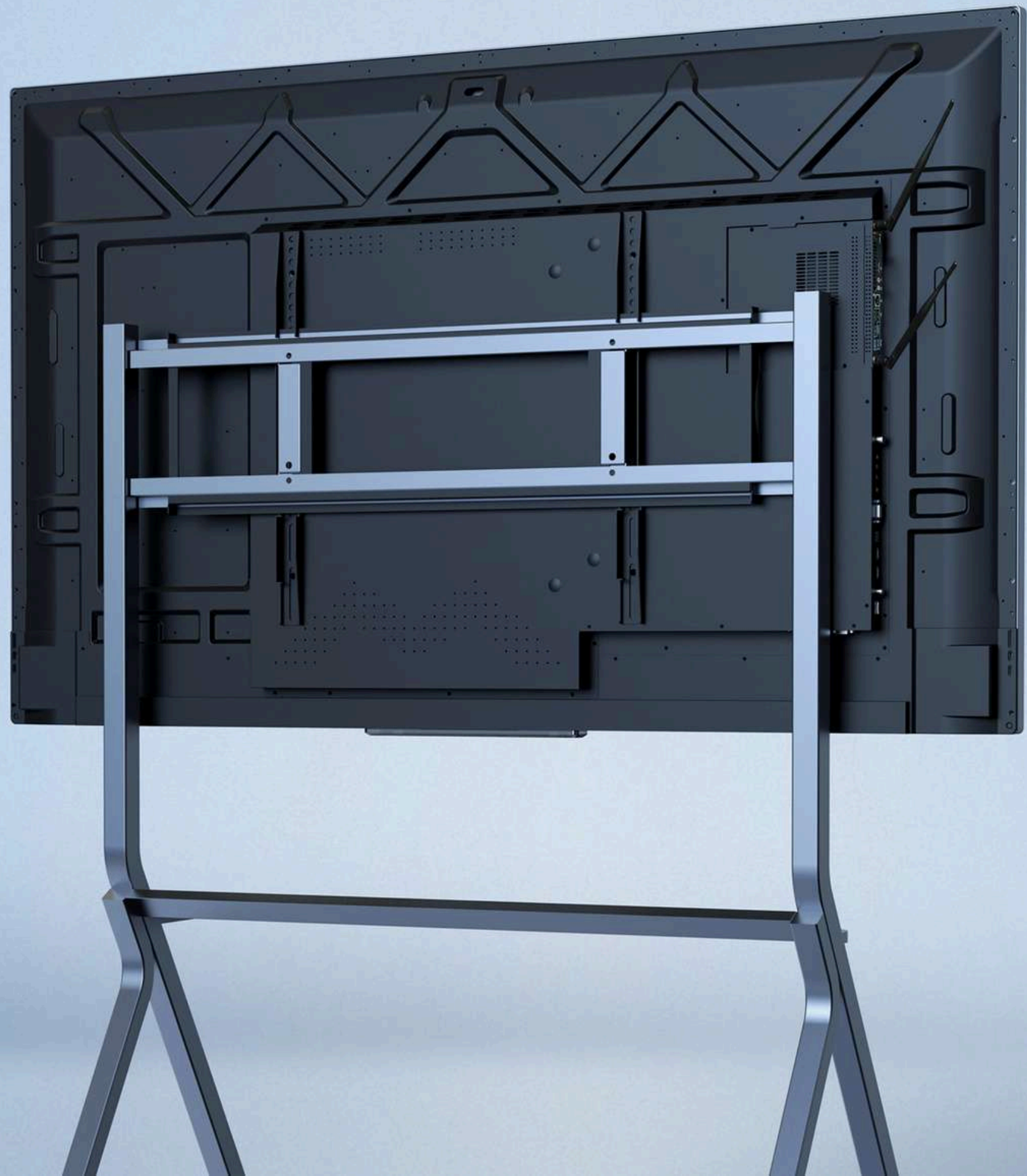


应用列表

- 安卓
- OPS
- HDMI
- 前置HDMI
- 前置Type-C
- VGA



Infinity Display Make Immersive Visual Experience



Interactive Flat Panel Display IRX82





22 MM
Slim Bezel

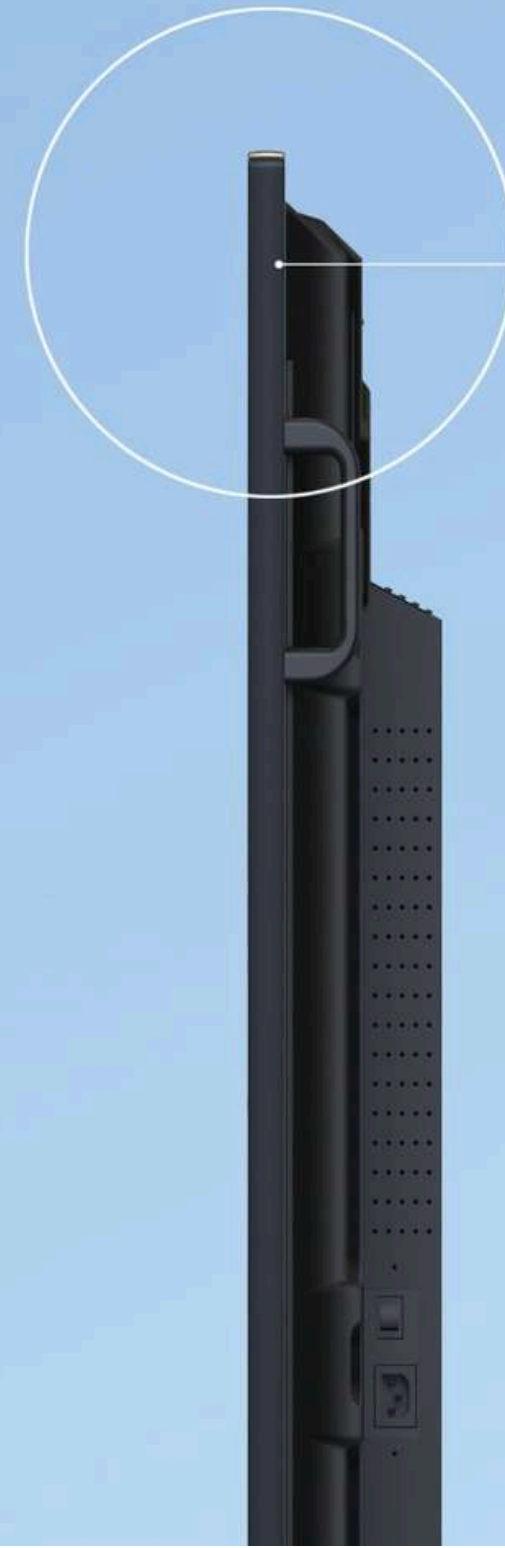
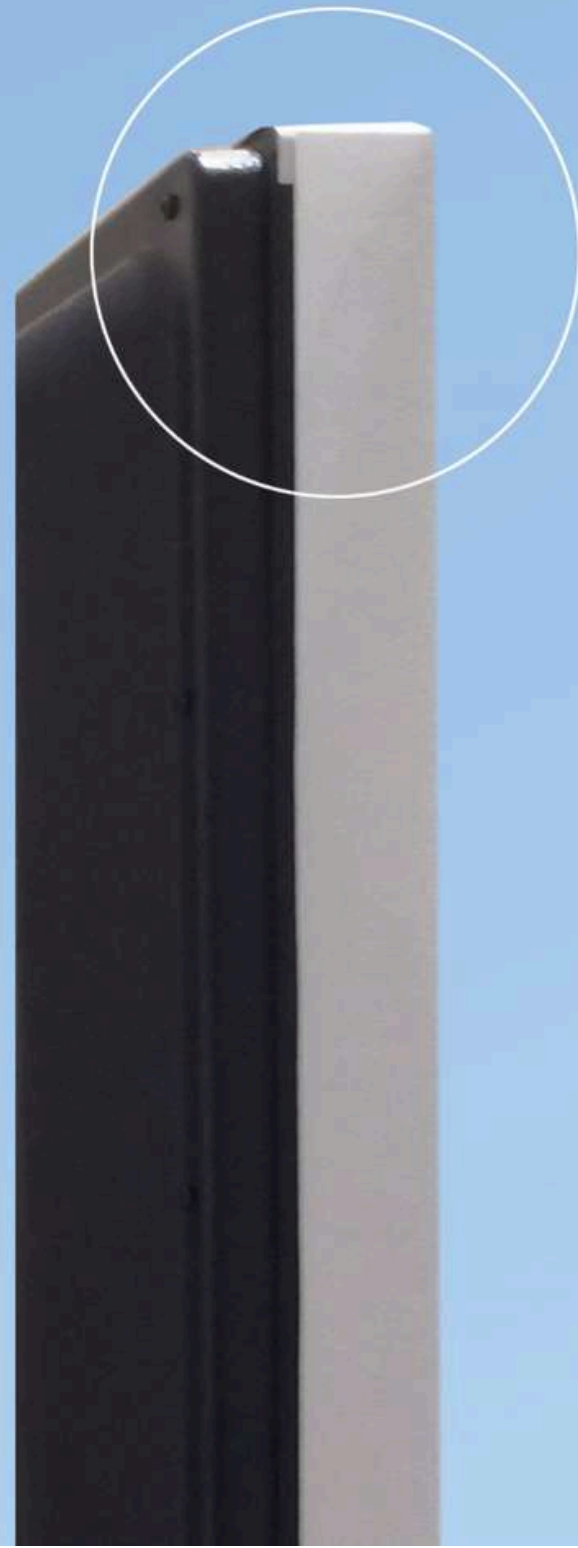
Frame Comparison

OTHER



IRX82

OTHER



OD 20

IRX82

4K Anti-glare for better business display

4K Htech Anti-glare and high color gamut make your display more vivid



Anti glare



4K Ultra High Resolution



High contrast



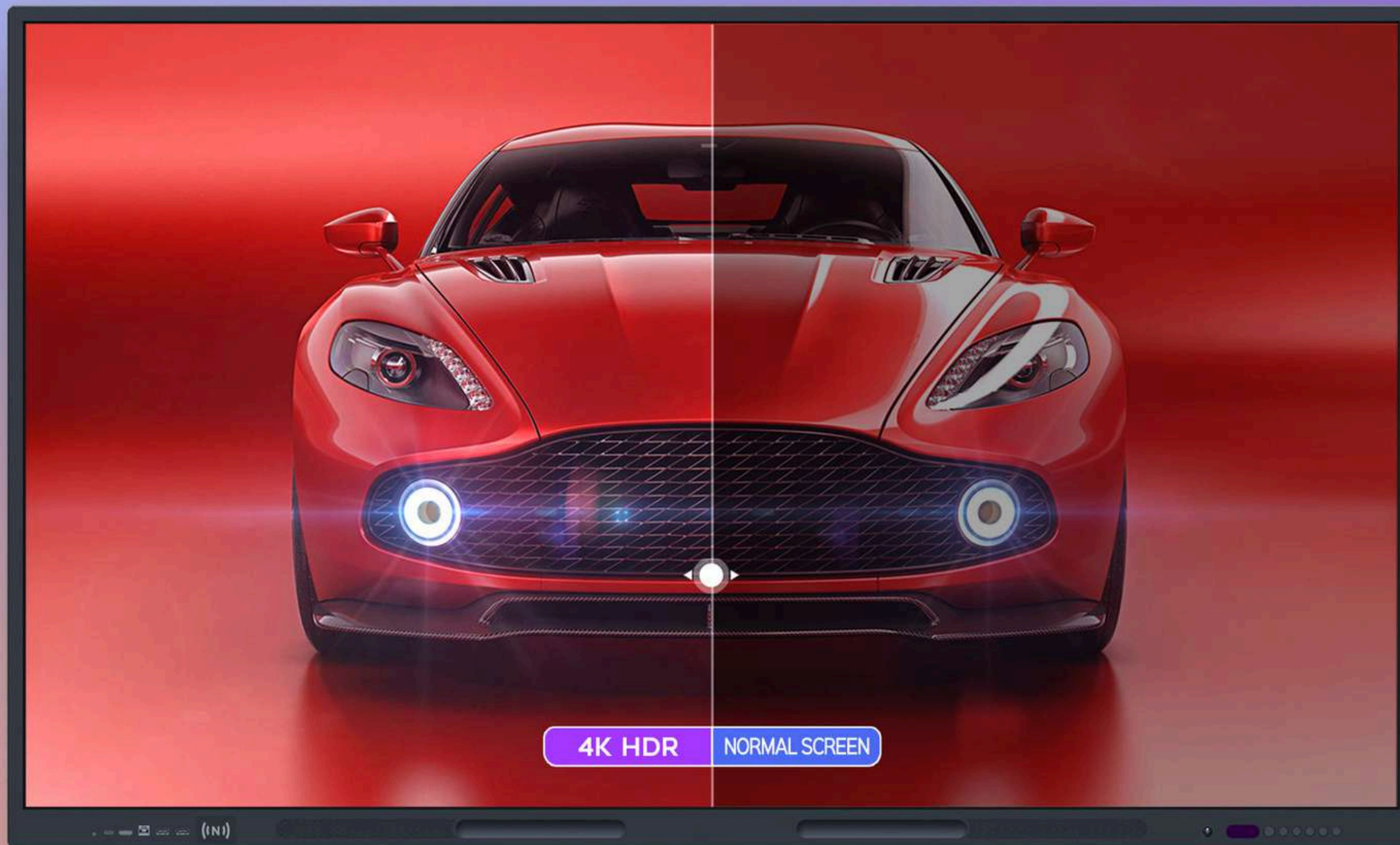
High brightness



High range



Zero Gap



A woman in a striped shirt stands in a meeting room, pointing at a large interactive flat panel display. The display shows various data visualizations including a world map, a line graph, a bar chart, and a pie chart. Several people are seated around a table in the foreground, looking at the display. The scene is overlaid with a semi-transparent teal filter.

MEETING FUNCTIONS

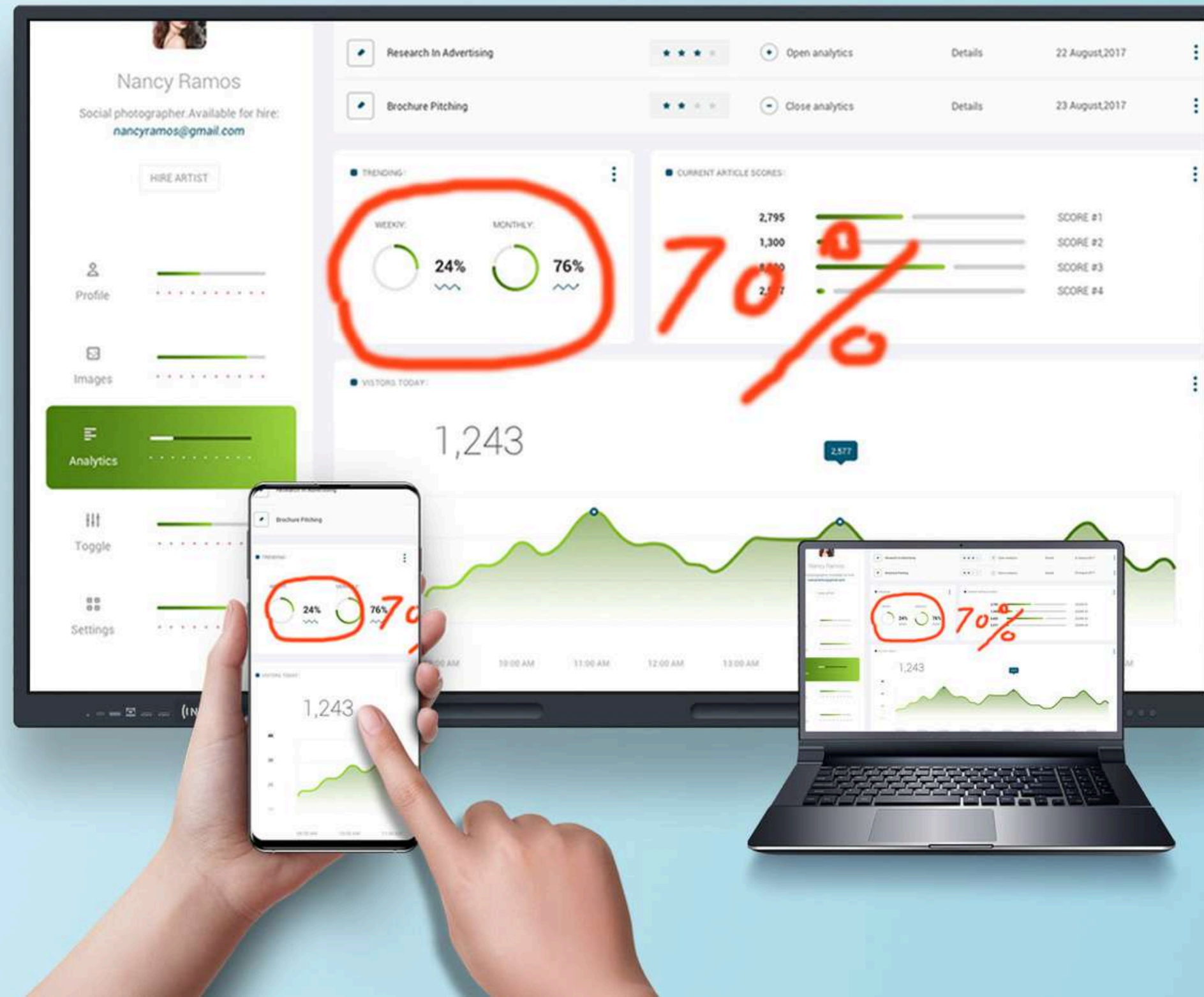
Interactive Flat Panel Display

Use for Office meeting & Classroom education

Driver-free Wireless Screen Mirroring

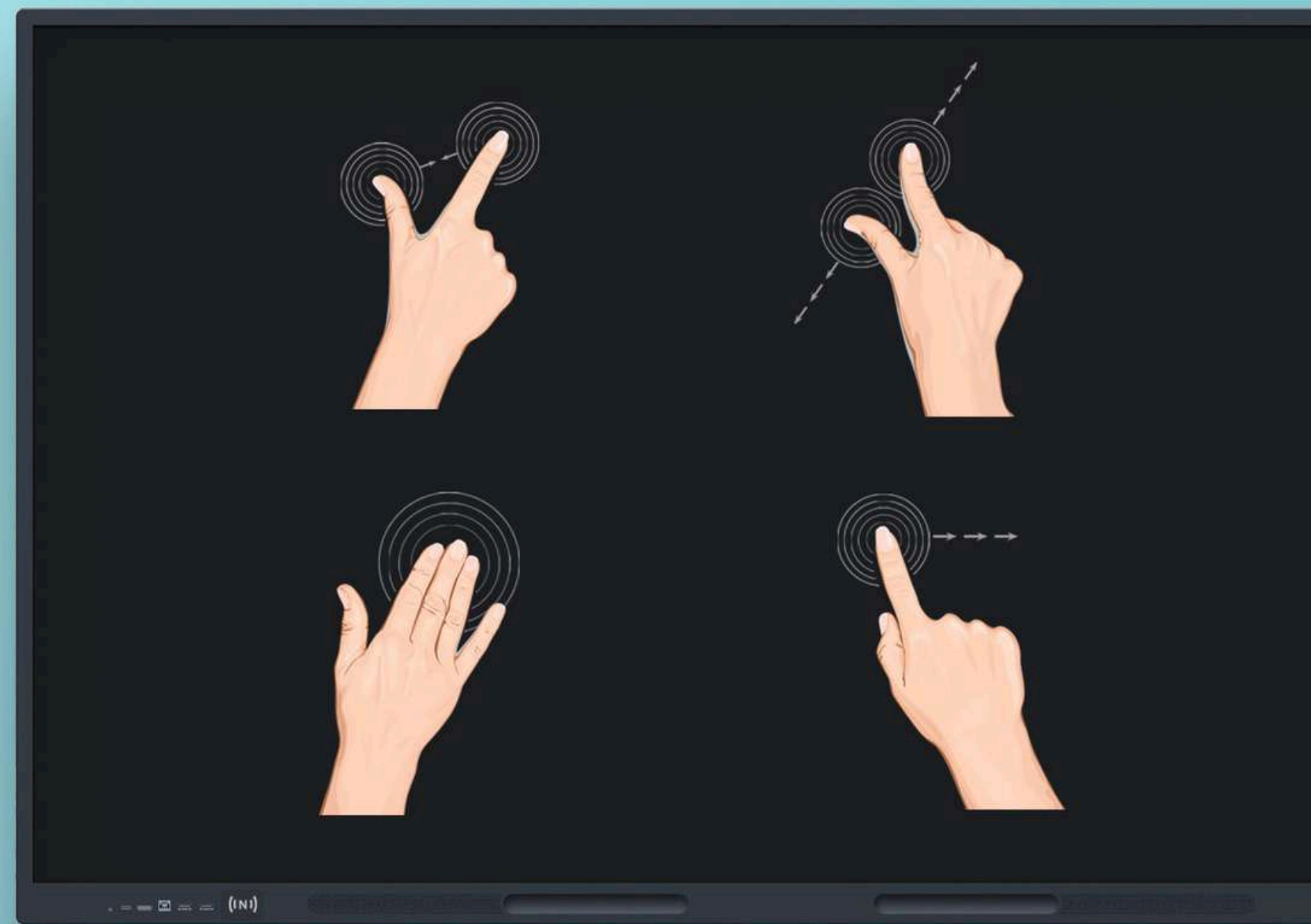
Flexible and Efficient Multi-Screen Interaction

With this function, documents (PPT, Word, Excel), pictures, audio and video files on mobile phones/ tablets / laptops can be wirelessly transmitted to screen.



Intelligent Touch, High Precision Writing

- ① Multi-gesture recognition
- ② Intelligent writing and erasing
- ③ Zoom, drag and with ease
- ④ 50-point touch function





Smooth Writing

Thanks to optical bonding inside the panel and the pressure-sensitive pen, you get a smooth and precise writing experience.



$\pm 1 \text{ mm}$
Writing accuracy



$\leq 5 \text{ ms}$
Response speed



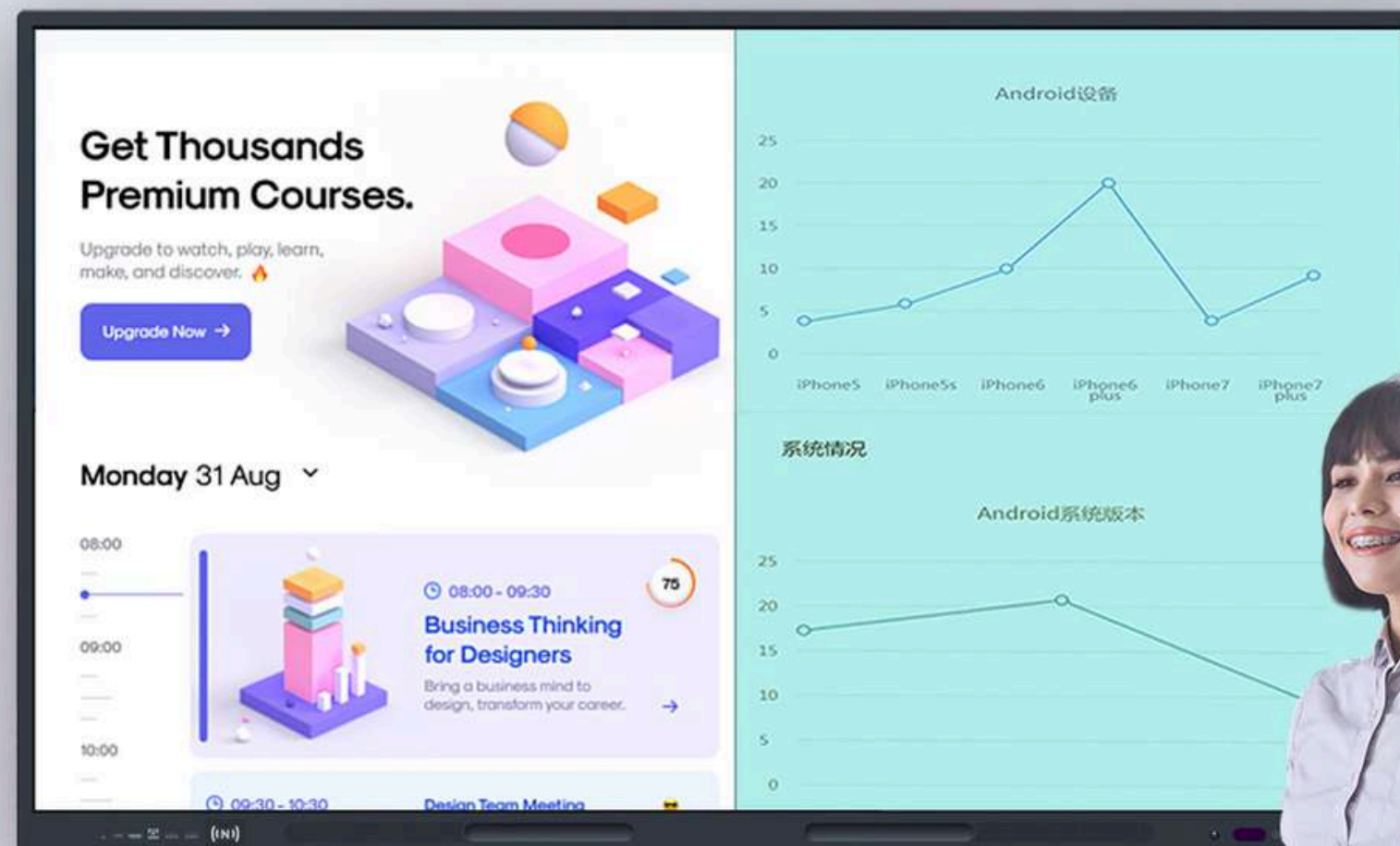
4K Display
Whiteboard



Infrared 0 lamination
technology

Split View

Allow up devices to display simultaneously on split screens, and you can zoom in one screen and switch screens freely



Multi-person writing recognition and continuous annotation function

Innovative floating annotation icon improve efficiency with one click





Innovative 3 R.G.B laser pens

Support simultaneous use of up to 3 laser pens, and support slides changing, speeding up your meeting.



Meeting tools

One click to call out meeting tools for better meeting experience.

Meeting clock



QR code sharing



Welcome mode



Google experience for you



Google Play



Core services

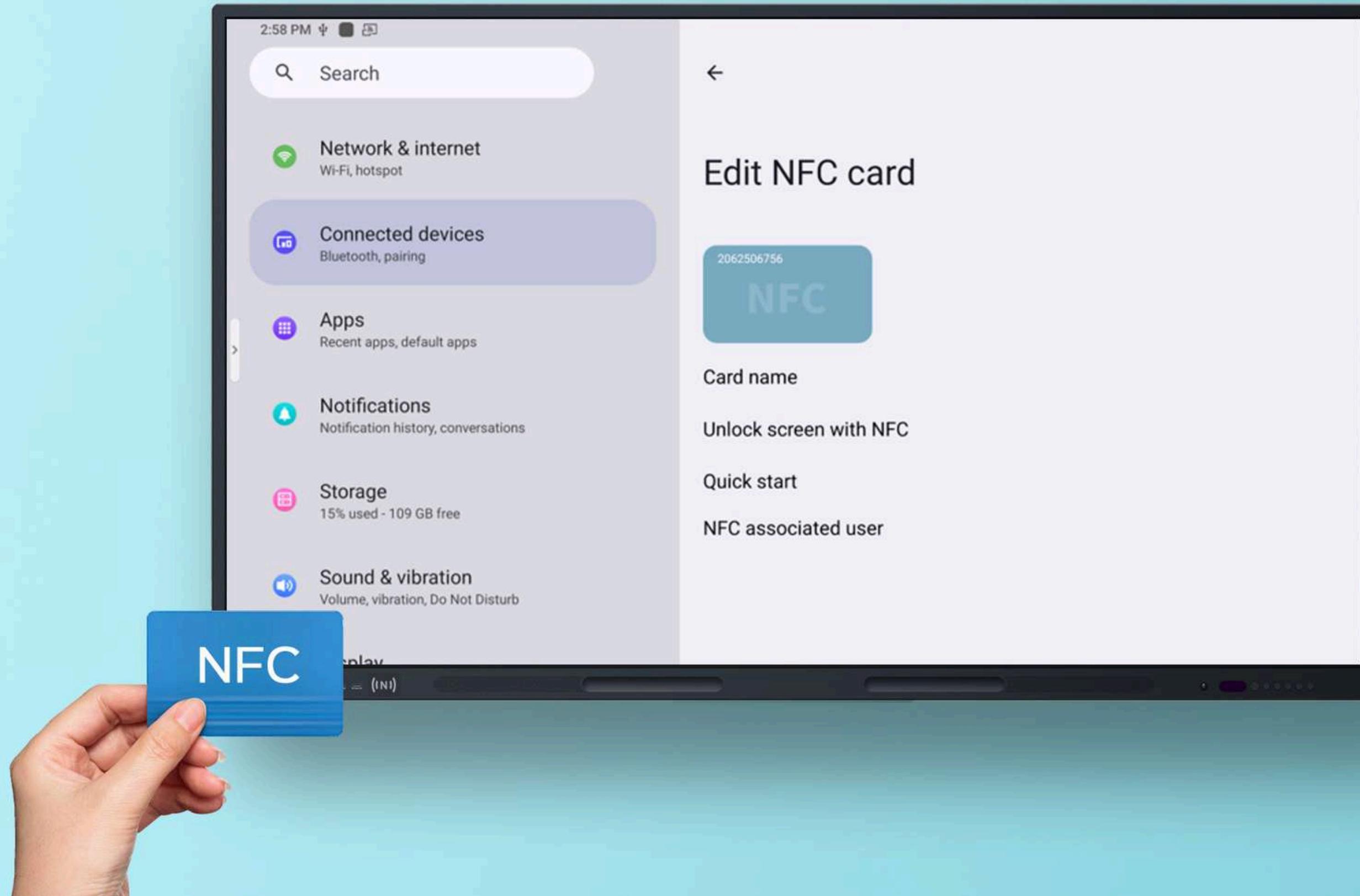


Collaboration tools



NFC

After adding an NFC card in "Connected Device", the functionality can be configured and used.



A large group of business professionals in a meeting room, with a large flat-panel display showing a video conference of the same group. The scene is overlaid with a teal tint. The display shows a man standing at the head of a conference table, addressing a group of people seated around it. The people in the foreground are also seated around a table, looking towards the display.

VIDEO MEETING FUNCTIONS

Interactive Flat Panel Display

Use for Office meeting & Classroom education

Meeting Mode 1

- ① Notebook can be connected to IFPD through Type-C
- ② Support laptop charging

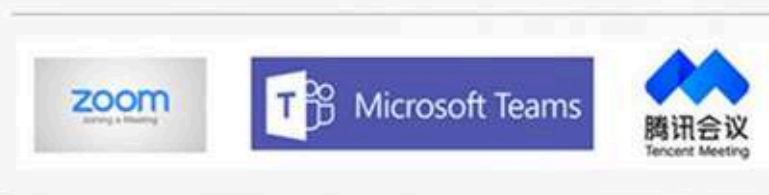


全功能TYPE-C



Meeting Mode 2

With custom pre-load meeting APP, participants can join the meeting through mobile phones, computers, tablets and other smart devices





EDUCATIONAL FUNCTIONS

Interactive Flat Panel Display

Use for Office meeting & Classroom education

Educational Functions Introduction

- ① Annotations
- ② Multi-people whiteboard writing
- ③ Multimedia play
- ④ Compatible with OPS and Windows

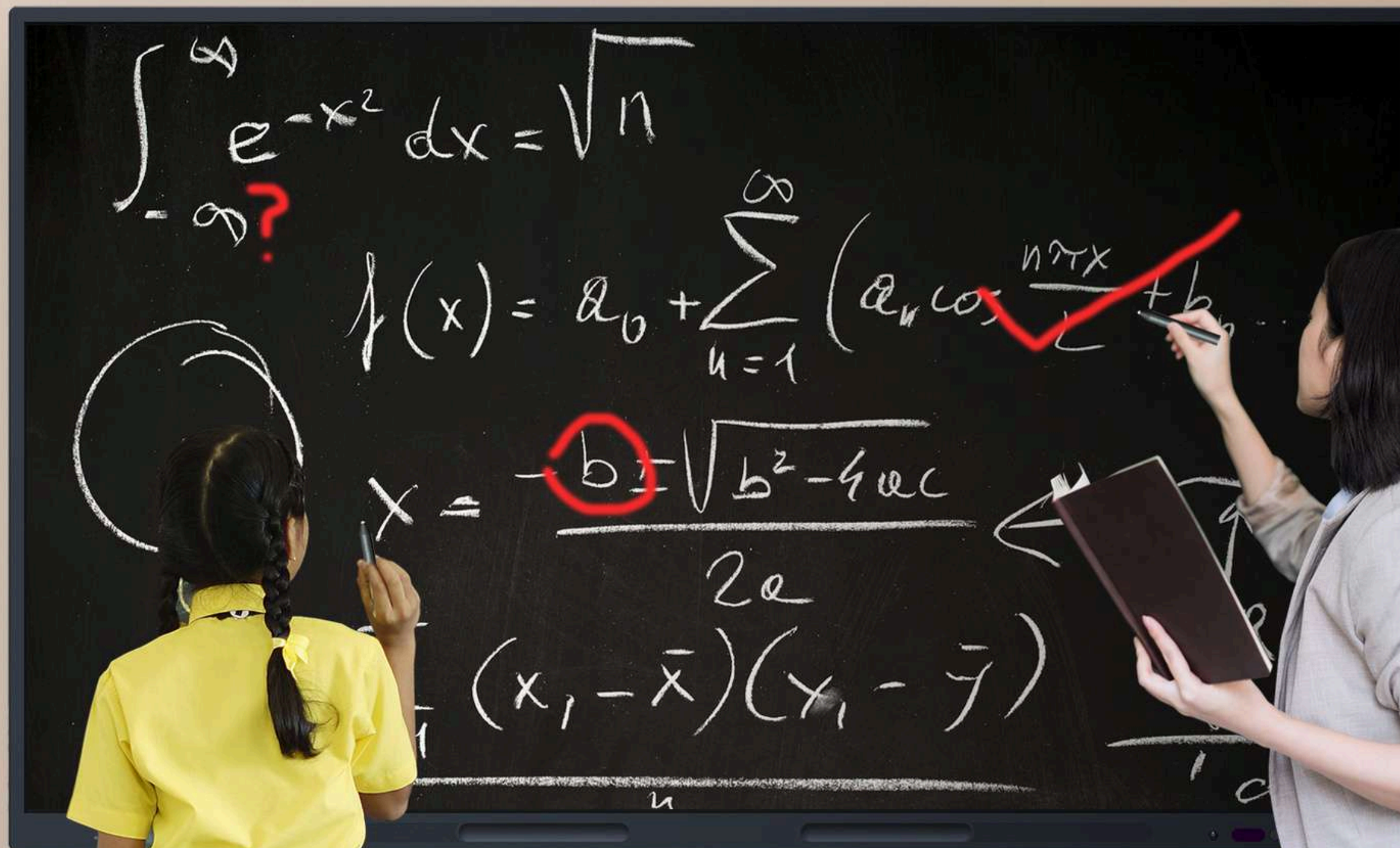
$$f(x) = \frac{f^{(n+1)}(\xi)}{(n+1)!} \prod_{i=0}^n (x - x_i)$$

$$\sqrt{\left(\frac{-c_1}{2c_2}\right)^2 + \left(\frac{\pm\sqrt{-\Delta}}{2c_2}\right)^2} = \sqrt{\frac{c_1^2 - \Delta}{4c_2^2}} = \sqrt{\frac{c_0}{c_2}}$$



Multi-people writing recognition and continuous annotations

Innovative floating annotation icon improves efficiency with one click



Multimedia interaction brightens the lessons

Interactive audio and video teaching mode enables students to boost learning efficiency



Support OPS computer module, which can be expanded to Windows

(OPS computer module is optional and needs to be purchased separately)



Accessories

STANDARD



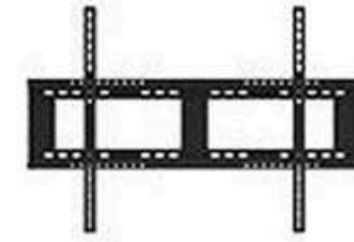
Meeting all-in-one

+



Pen*2

+



Thinner wall hanger

OPTION



Meeting remote

+



Art floor stand

+



OPS

+



Video meeting equipment