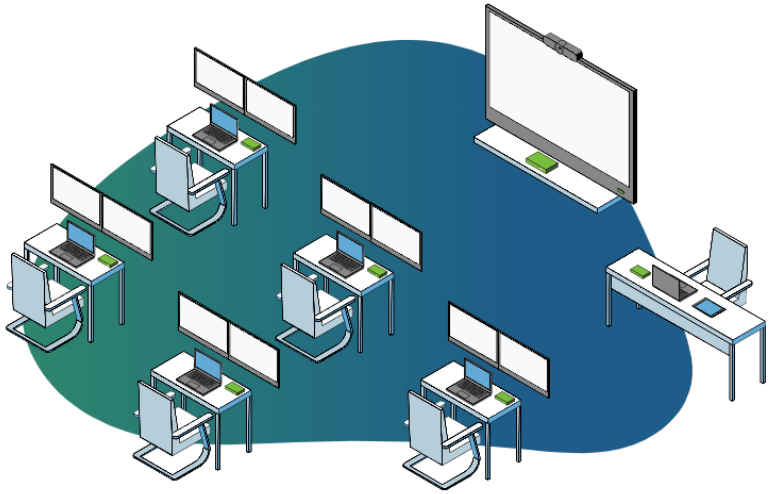
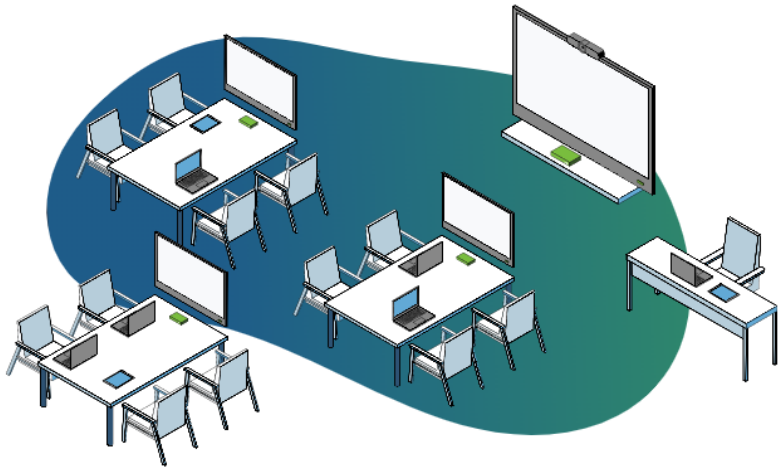
Smart Classroom

คือการนำเทคโนโลยีดิจิทัลเข้ามามีส่วนร่วมภายในห้องอบรม ห้องเรียน ห้องประชุม เพื่อสร้างสภาพแวดล้อมที่เหมาะสมที่สุดต่อการสื่อสาร เรียนรู้ โดยนำระบบเทคโนโลยีสารสนเทศเครื่องมือ และมัลติมีเดียต่างๆ ที่ทันสมัยกับยุคดิจิทัล มาประยุกต์ใช้ให้เกิดประโยชน์ภายในห้อง สามารถแบ่งกลุ่มการเรียน การประชุม การแสดงผลโชว์แต่ละกลุ่มได้ เป็นการยกระดับของการเรียนการประชุมในห้องแบบเดิม มีจุดเด่นในการมีปฏิสัมพันธ์ระหว่างผู้เรียน และผู้สอน หรือผู้เข้าประชุมโดยมีมัลติมีเดียต่างๆ เป็นสื่อกลาง และยังรองรับระบบ video conference รองรับระบบกล้องตามผู้สอน ผู้บรรยาย ทั้งหมดสามารถบันทึกได้ทั้งภาพและเสียงสำหรับดูย้อนหลังได้



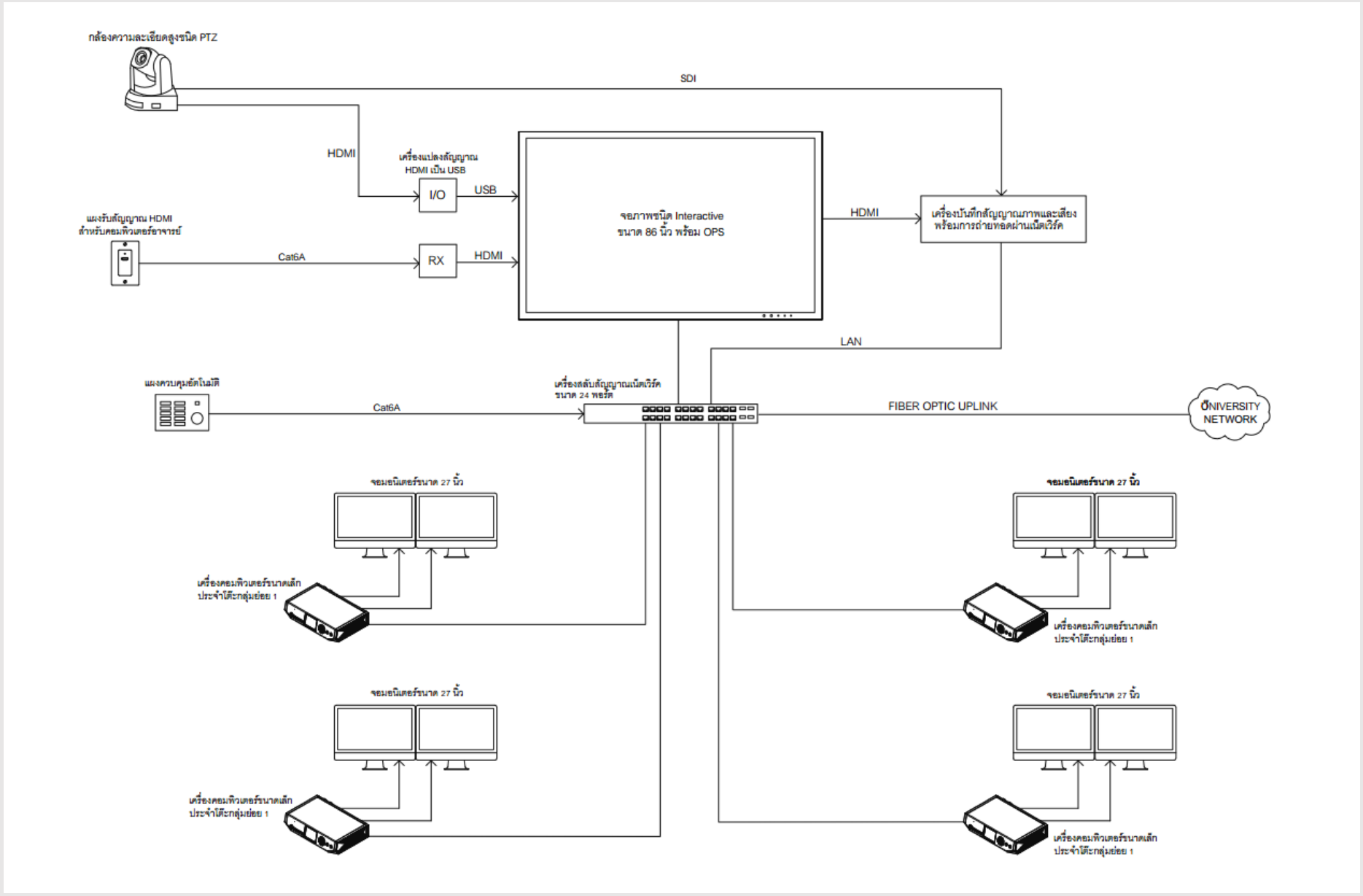
Computer Labs and Training Rooms

Labs and training rooms provide a space for learning and developing valuable skills beyond traditional classrooms. Solstice enhances these rooms by giving instructors and students the ability to easily route audio, video, and other content to the room displays to share and collaborate.



Active Learning Room

Active learning classrooms create more engaging experiences and collaboration for facilitators and students. Solstice provides video and audio routing for multi-screen environments that is quick to deploy and easy for facilitators to use. The solution requires no custom programming and no matrix switcher or additional expensive hardware.


กล้องความละเอียดสูงชนิด PTZ
SDI
HDMI
เครื่องแปลงสัญญาณ
HDMI เป็น USB
I/O
USB
แผงรับสัญญาณ HDMI
สำหรับคอมพิวเตอร์อาจารย์
Cat6A
RX
HDMI
จอภาพชนิด Interactive
ขนาด 86 นิ้ว พร้อม OPS
HDMI
เครื่องบันทึกสัญญาณภาพและเสียง
พร้อมการถ่ายทอดผ่านเน็ตเวิร์ค
LAN
แผงควบคุมอัตโนมัติ
Cat6A
เครื่องสลับสัญญาณเน็ตเวิร์ค
ขนาด 24 พอร์ต
FIBER OPTIC UPLINK
UNIVERSITY
NETWORK
จอมอนิเตอร์ขนาด 27 นิ้ว
เครื่องคอมพิวเตอร์ขนาดเล็ก
ประจำโต๊ะกลุ่มย่อย 1
จอมอนิเตอร์ขนาด 27 นิ้ว
เครื่องคอมพิวเตอร์ขนาดเล็ก
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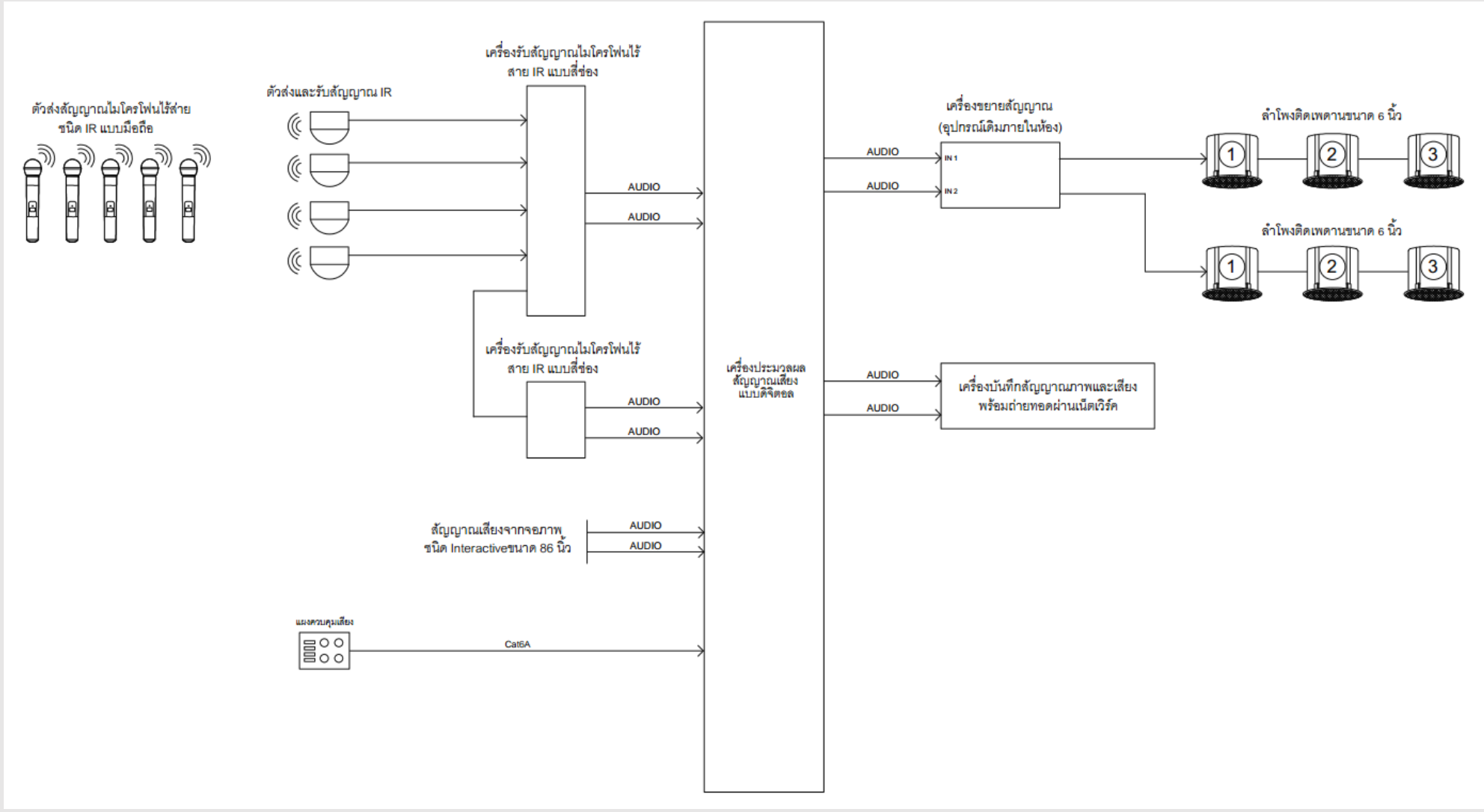
ประจำโต๊ะกลุ่มย่อย 1


ตัวส่งสัญญาณไมโครโฟนไร้สาย
ชนิด IR แบบมือถือ
ตัวส่งและรับสัญญาณ IR
เครื่องรับสัญญาณไมโครโฟนไร้
สาย IR แบบสี่ช่อง
AUDIO
AUDIO
เครื่องรับสัญญาณไมโครโฟนไร้
สาย IR แบบสี่ช่อง
AUDIO
AUDIO
สัญญาณเสียงจากจอภาพ
ชนิด Interactiveขนาด 86 นิ้ว
AUDIO
AUDIO
แผงควบคุมเสียง
Cat6A
เครื่องประมวลผล
สัญญาณเสียง
แบบดิจิตอล
เครื่องขยายสัญญาณ
(อุปกรณ์เดิมภายในห้อง)
IN 1
IN 2
AUDIO
AUDIO
ลำโพงติดเพดานขนาด 6 นิ้ว
1
2
3
ลำโพงติดเพดานขนาด 6 นิ้ว
1
2
3
AUDIO
AUDIO
เครื่องบันทึกสัญญาณภาพและเสียง
พร้อมถ่ายทอดผ่านเน็ตเวิร์ค

BenQ Board Essential

RE03

RE6503 65”
RE7503 75”
RE8603 86”

What's new on the RE03 series?

New launcher

IF award
New Uni UI

Side bar

Favorite apps

New widgets

Shortcuts

Designed for convenience

Power button

2 x 16W speakers

Powerful front I/O

USB-C (5 in 1)
*Display
*Audio
*Touch
*65W charging
*Data transfer

HDMI in
USB-B (TOUCH 2)
USB-A SmartPort x2

What's new on the RE03 series?

Quad core

The latest OS
Android 11.0

RAM / ROM
4GB /32GB

High lan speed
1000 Mbps

BenQ Board solutions

Natural writing
Zero bonding

40 touch points

Certificated dust-proof
IP5X

Germ-resistant
- ✓ Screen
- ✓ Stylus
- ✓ Power button

Eye-Care solutions
- ✓ 4K resolution
- ✓ Anti-glare
- ✓ Flicker free
- ✓ Low blue light

Learn more

How-to videos

Wireless cast — InstaShare 2

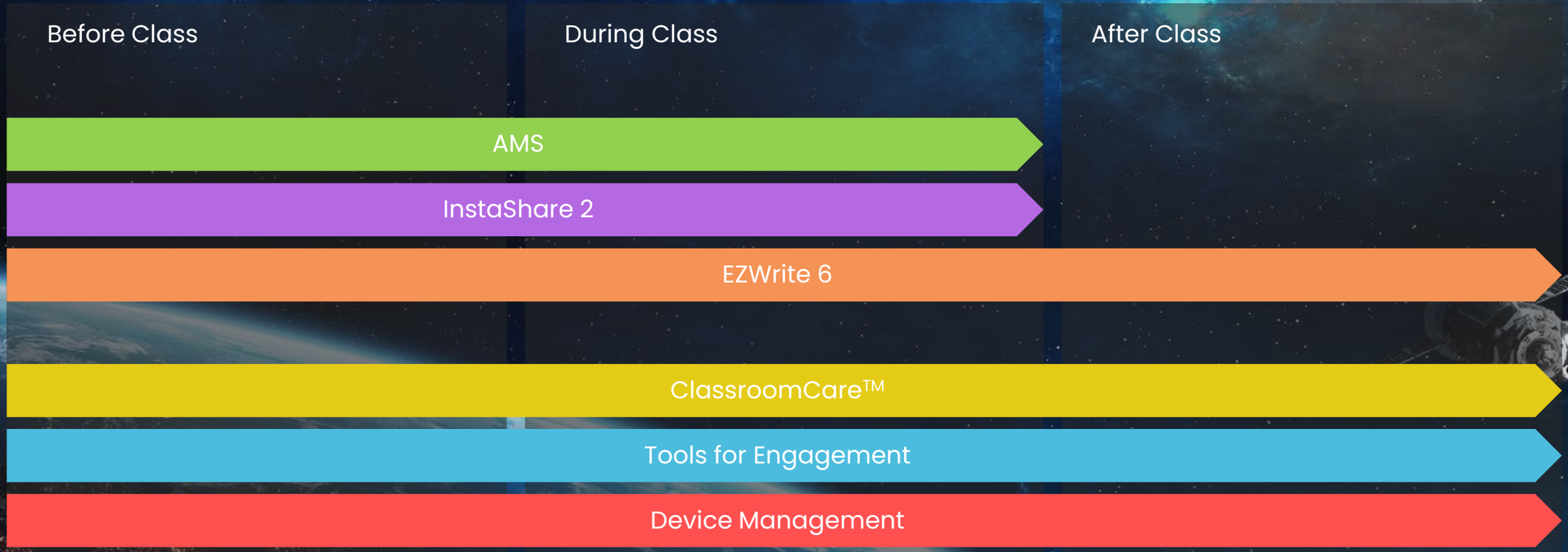
Smart whiteboard — EZWrite 6

Communication & management — AMS, DMS, X-Sign Broadcast

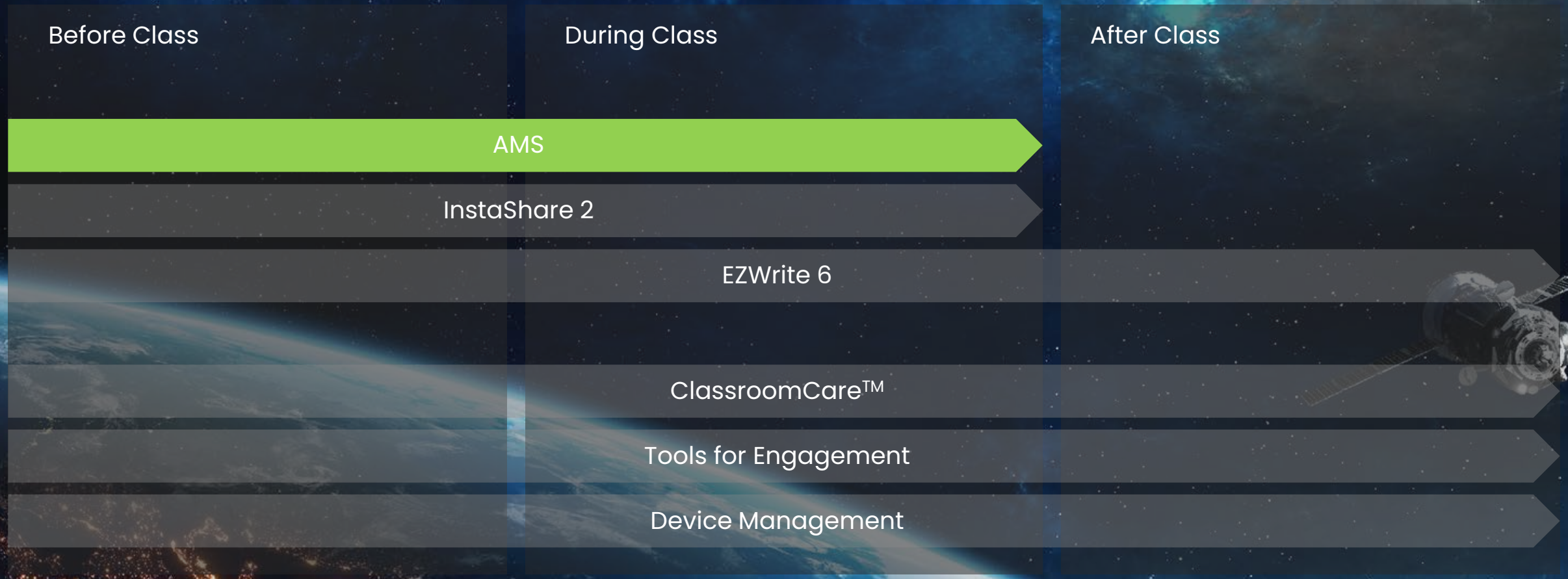
In-person

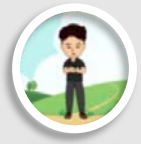
Hybrid

RE03 series
Learning starts with good health

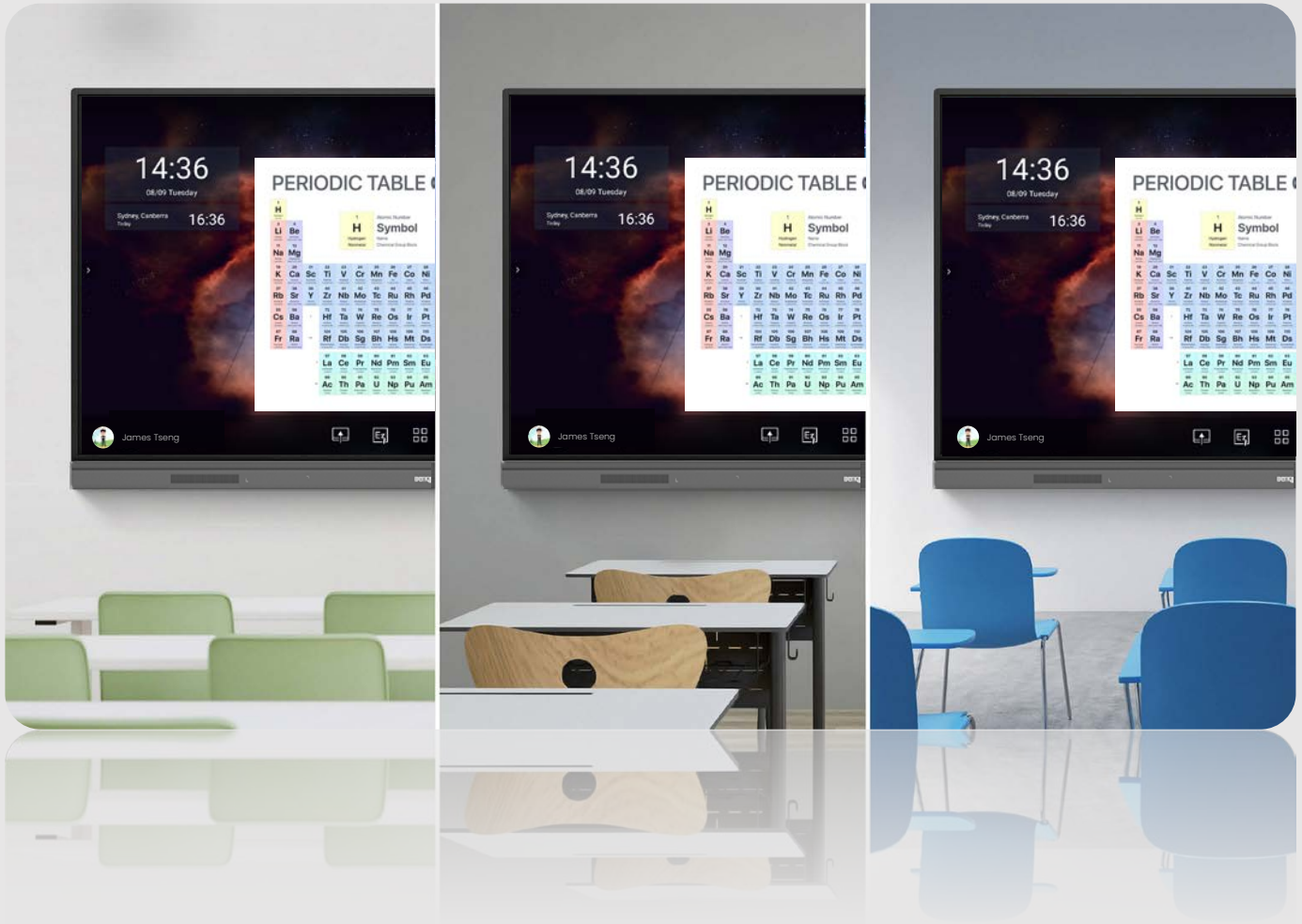


RE03 series
Learning starts with good health





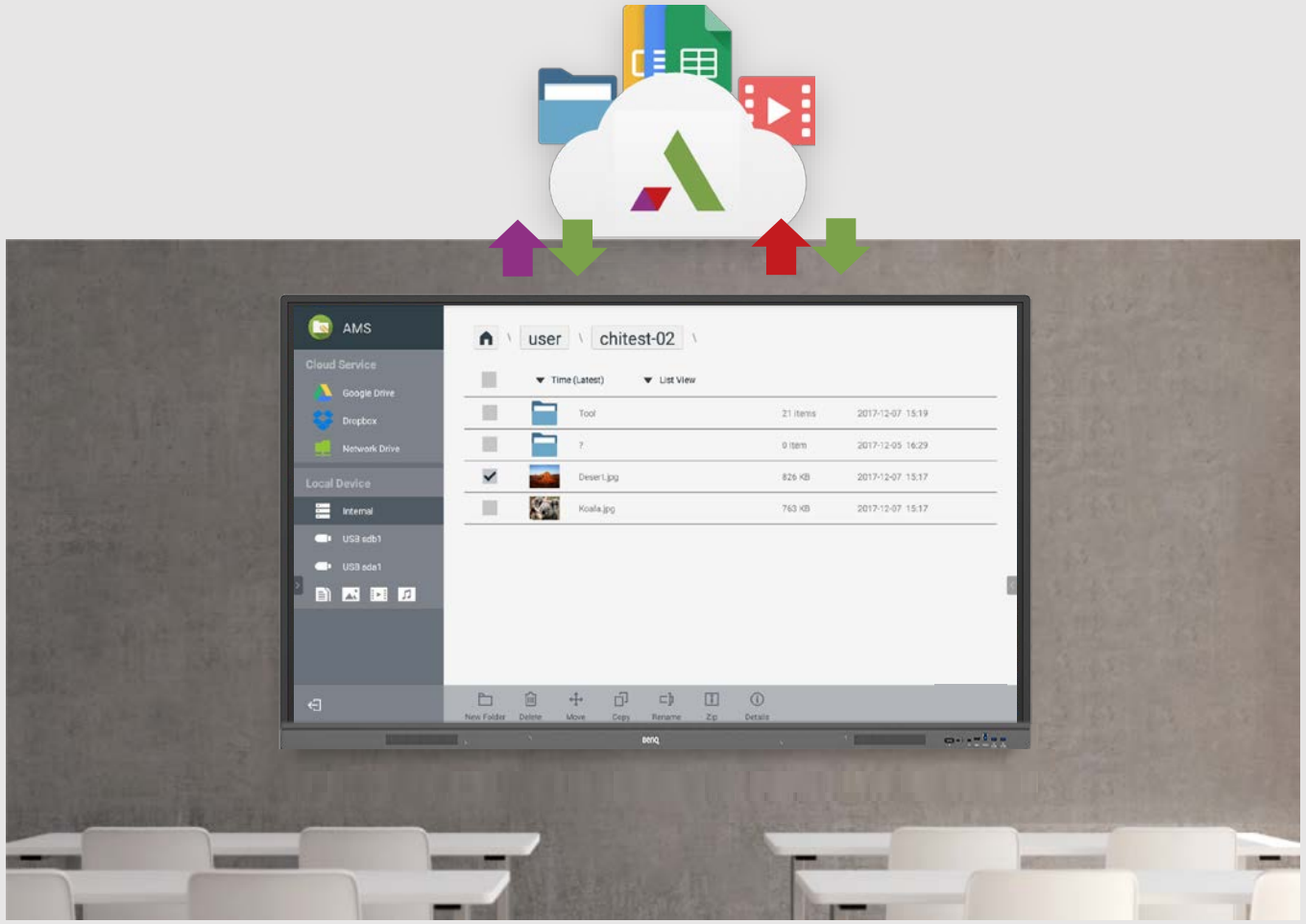
James Tseng



Instant teacher personalization

- In modern classrooms, teachers tend to personalize their classrooms to engage their students, as well as ensure they can get their lesson content easily.

- BenQ’s AMS enables teachers to set up their interactive boards exactly how they want and bring their lessons in seconds.



Conveniently access your files in the cloud

- BenQ AMS allows you to connect to your preferred cloud storage from different locations.

- Teachers can import class materials or open files in any classroom without having to enter sensitive account information.

Google Drive

OneDrive

Dropbox

Access your AMS account in seconds

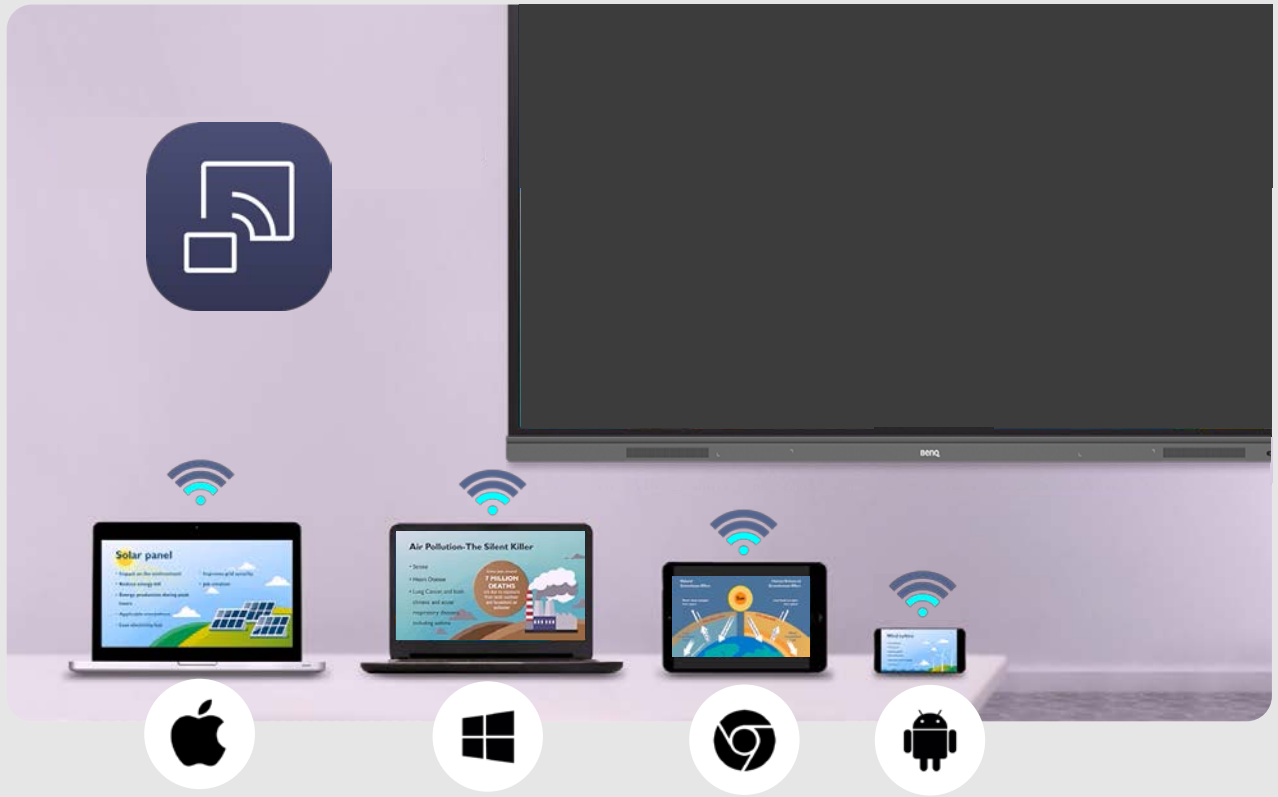
- BenQ's RE03 series support multiple logging methods to access AMS conveniently.
- Simply scan a **QR code** or enter your username and password to log in.
- IT managers can also synchronize AMS with your organization's Active Directory making it easy to update permissions, add new users, etc.

Azure Active Directory

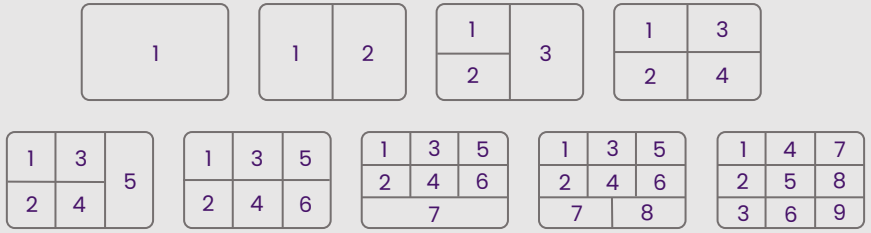
RE03 series
Learning starts with good health

Before Class	During Class	After Class
AMS		
InstaShare 2		
EZWrite 6		
ClassroomCare™		
Tools for Engagement		
Device Management		

Share ideas, engage minds



- No extra cost needed.
- Enjoy smooth presentations and an interactive screen sharing experience on any device with InstaShare 2.
- BenQ's InstaShare 2 lets you simultaneously share up to **9 screens**, allowing multiple team members to visualize their content side by side.



No extra software needed

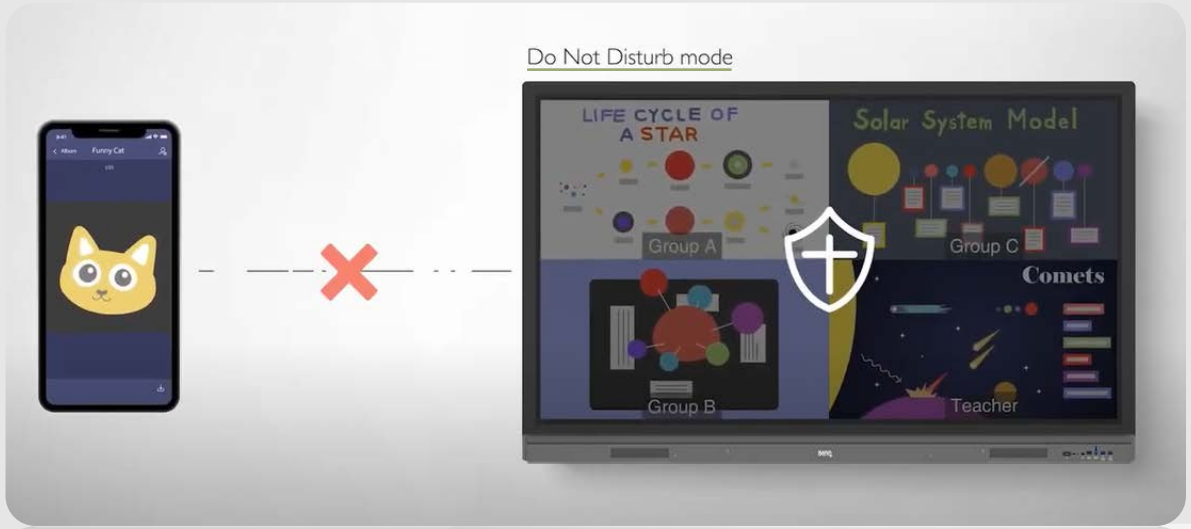
- With InstaShare 2, you can wirelessly present screens using **AirPlay**, **Miracast** or **Chromecast** and enhance your sharing experience using the InstaShare 2 app.

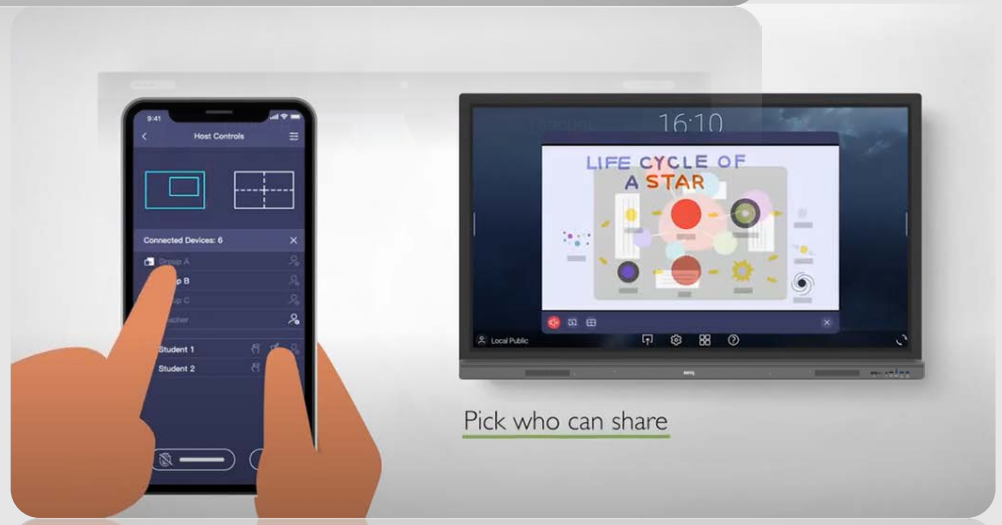
- Students can share multimedia files (images, video, and audio), extend their cameras, or even mirror their devices (up to **50 devices***) to your BenQ screen.

Works with:

Multimedia files:

*It will depend on network environment





Control the flow of your lessons

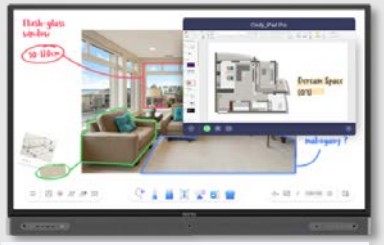
- InstaShare 2 allows teachers to turn on the "**Do Not Disturb**" mode to prevent interruptions.

- Teachers can select how many and which screens are shared. Furthermore, they can authorize who can write on the board.

What's new in host (BenQ Board)

AirPlay Miracast Chromecast

Supports native projection **Miracast**



Floating Window mode

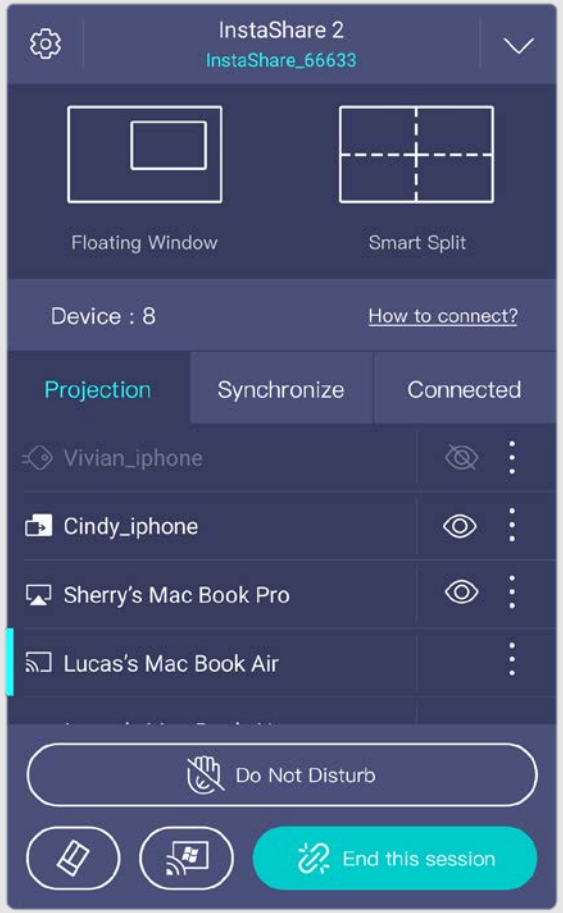
- Picture-in-Picture casting
- Easy way to present

Smart Split-screen mode

- Share content from any device
- Up to 9 devices

Do-Not-Disturb mode

Teachers can concentrate on teaching and avoid distractions



Advanced **Host Control**

- Classify devices
- Annotation permission
- Control permission
- Assign a new host
- Casting Preview

Before

Able to switch on/off the annotation access of all devices at once.

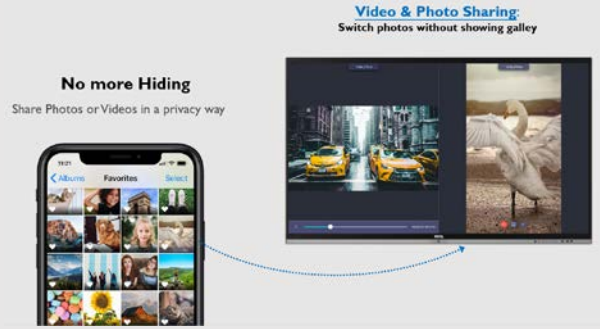
Now

Capable of granting access to specific devices. Only the students who have been allocated to answer questions can do so immediately!

What's new in client

Remote Host Controls

Easier to manage InstaShare 2 from any devices



Share **media contents** in privacy way

Choose what you want to share without exposing your personal information

Document Camera mode

Document Camera mode

Real-time visual display with microphone functionality

Annotate while mirroring screen (Windows / macOS)

Taking notes while mirroring your content

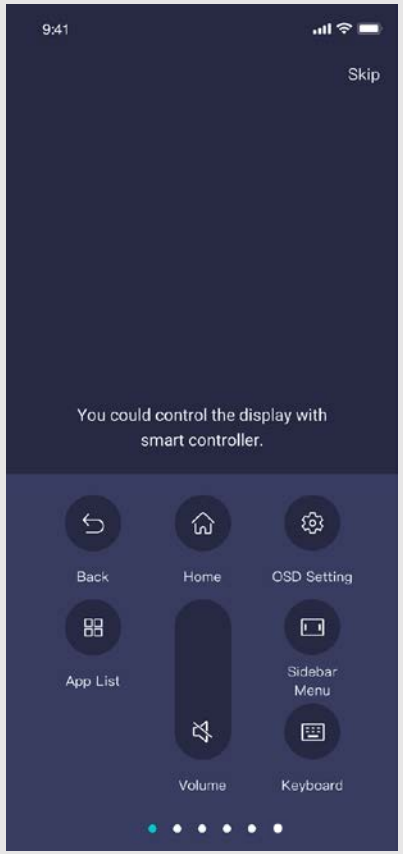
Multiple devices annotation

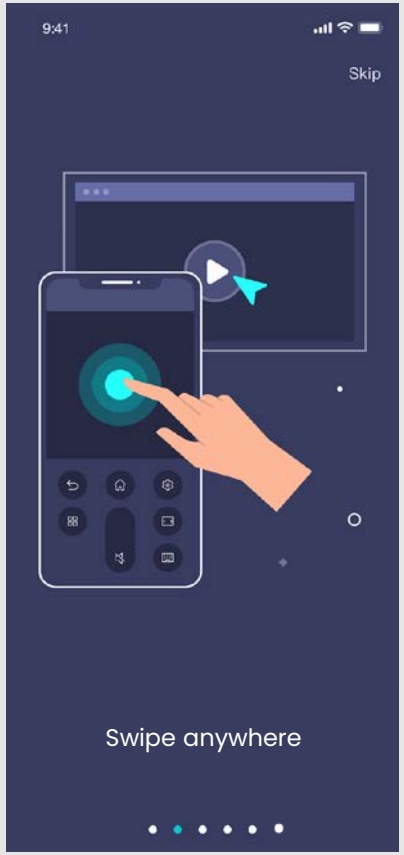
Writing from multiple devices at the same time

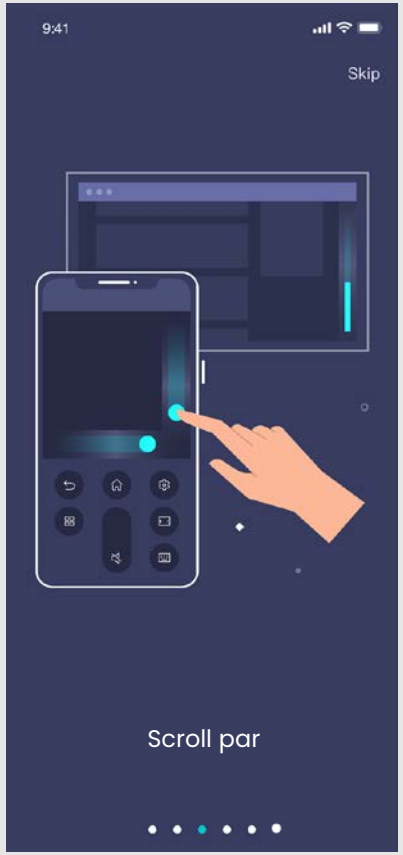
InstaShare 2

What's new in client

Smart controller

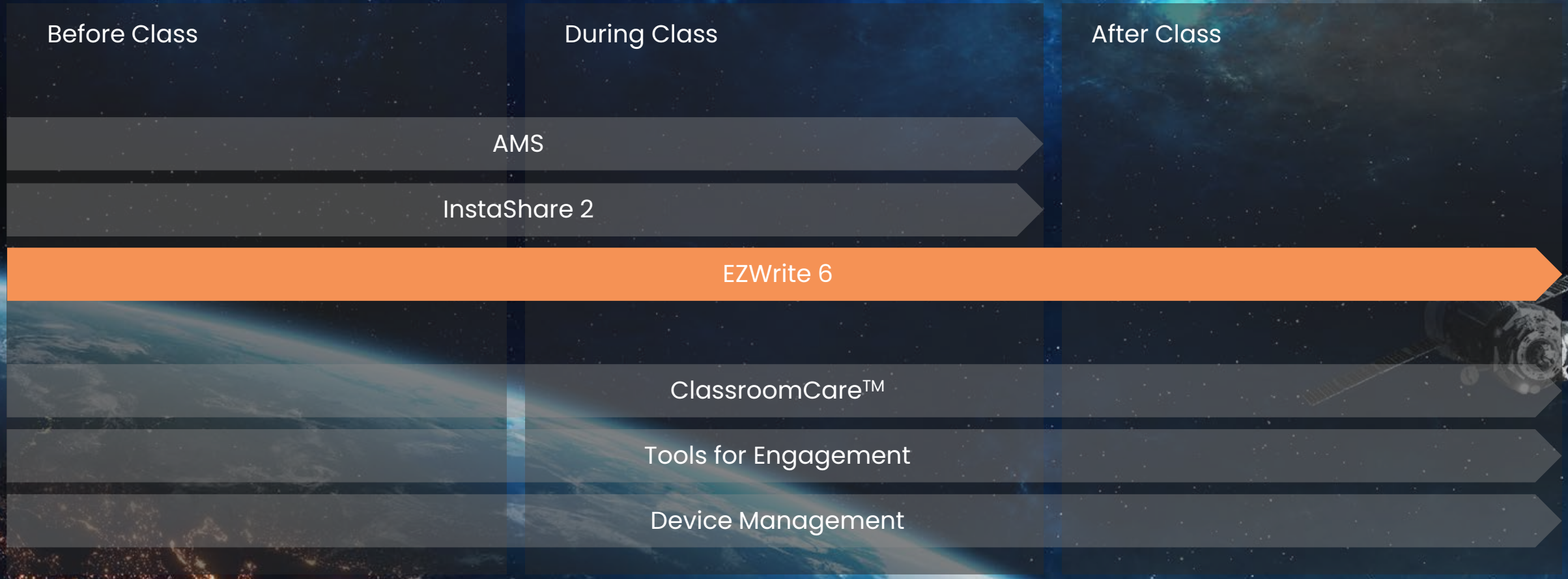


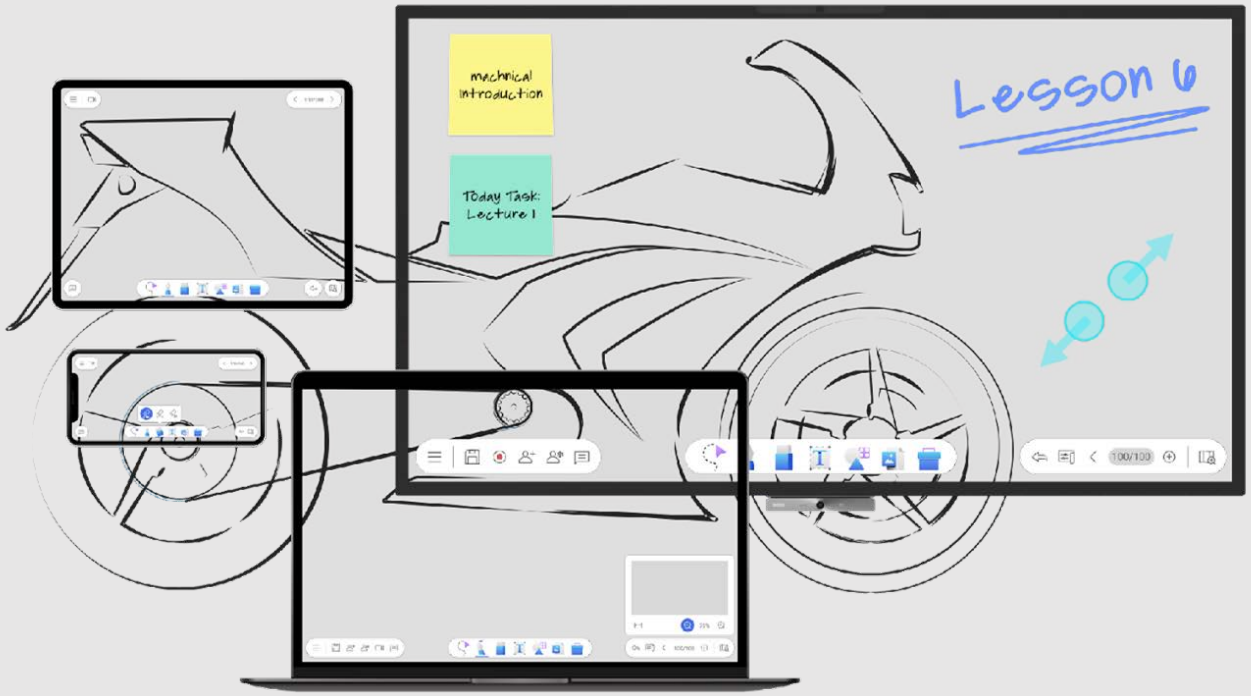




All-in-One allows you to operate your BenQ Board from your devices even when you are not in close proximity to it.

RE03 series
Learning starts with good health



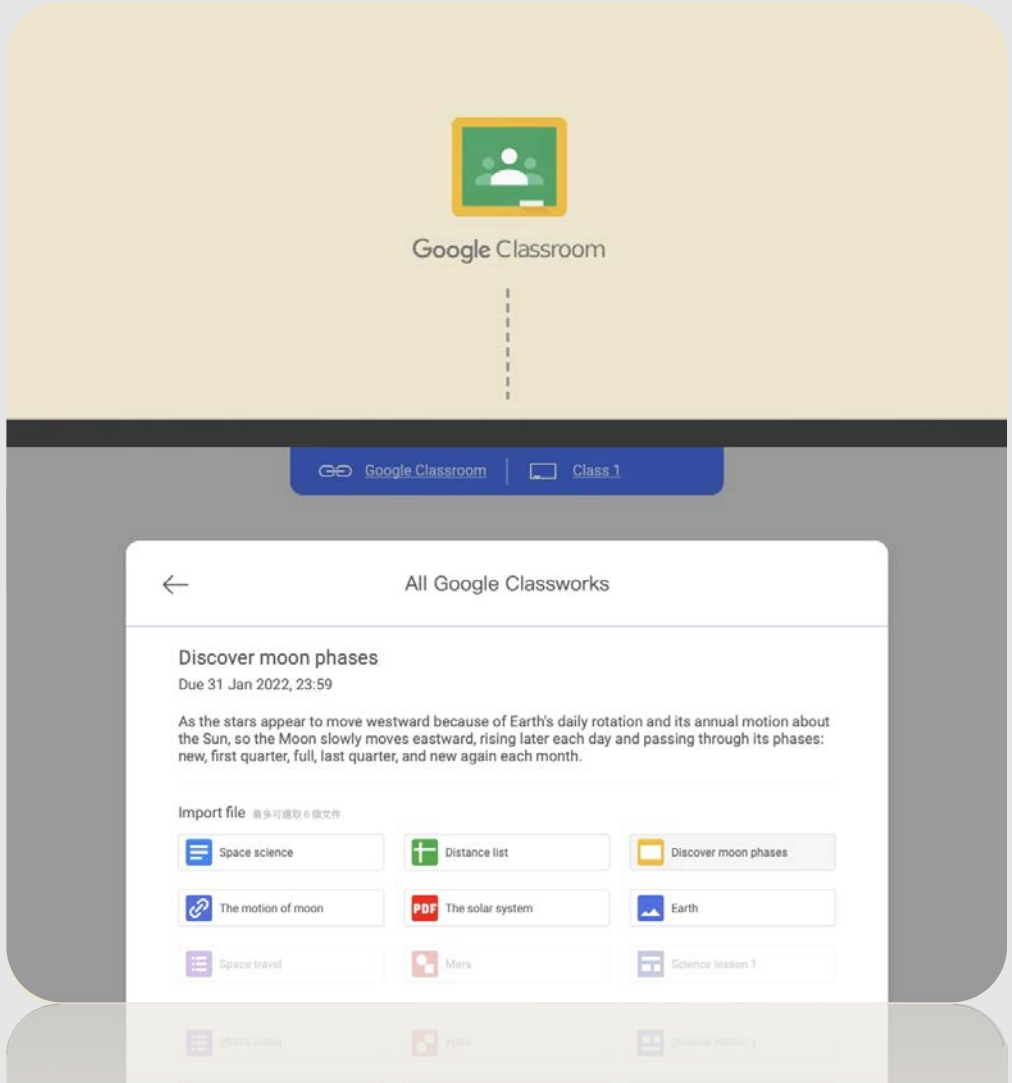


Easily create class materials

- BenQ's EZWrite 6 is a multiplatform software that allows educators to create materials and deliver lessons using **Windows**, **Android**, or their favorite **web browser**.

- With EZWrite 6 you can open lesson materials in your computer and edit them before class. Once ready, you can lecture using your BenQ board's EZWrite Android.

Bring your Google Classroom to anywhere



Teach the way you're used to with EZWrite. You can import Microsoft Office and PDF files into your session then save the lesson in a variety of formats.

Bring your own files

Open lessons in PowerPoint, Word, Excel, and PDF to teach with and make notes on during class. You can even import SMART Notebook and other IWB files to edit in EZWrite.

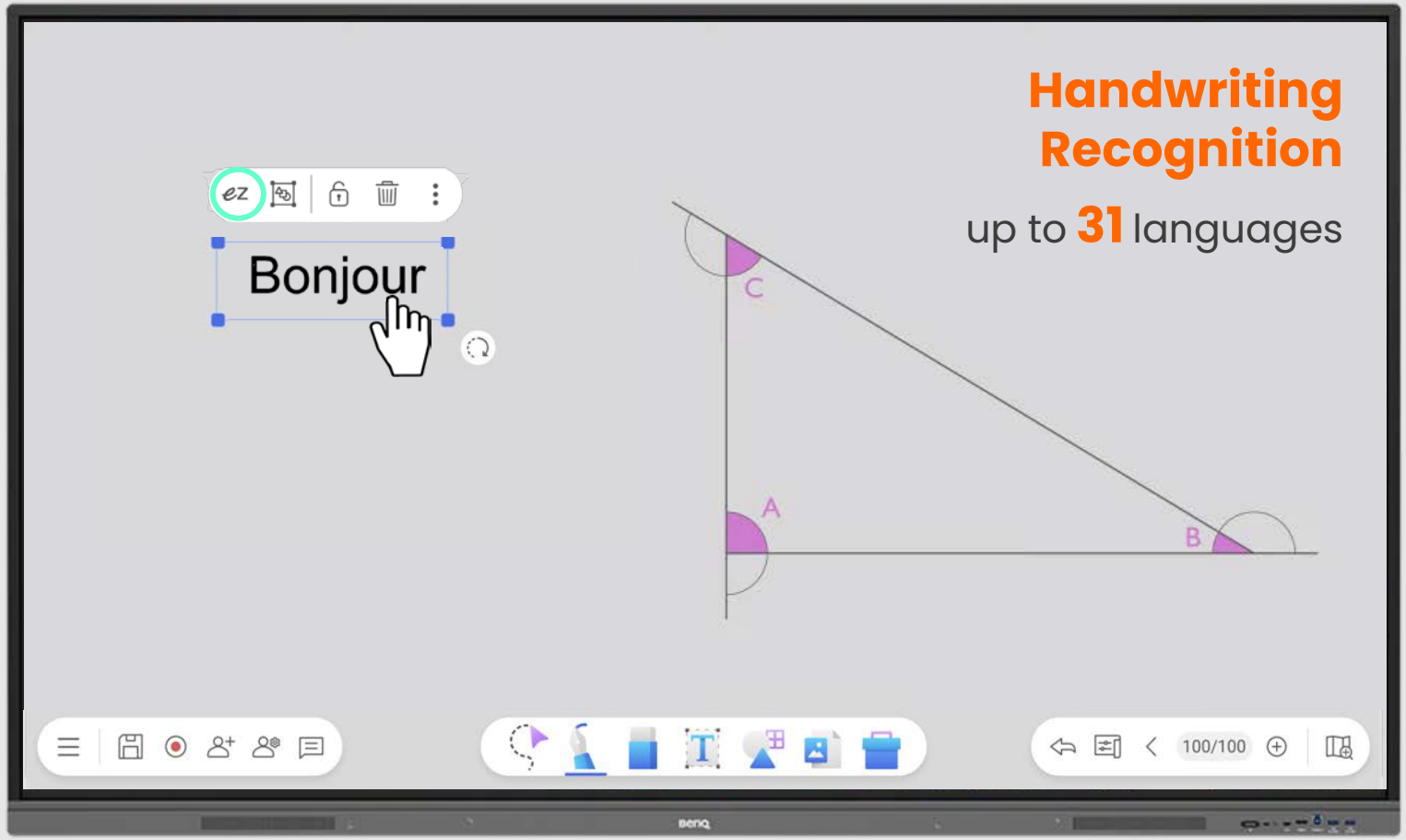
Continue your lessons

Save lessons as editable whiteboard file to pick up at any time right where you left off. You can also save the session as a PDF or image file to allow students to review the content at home.

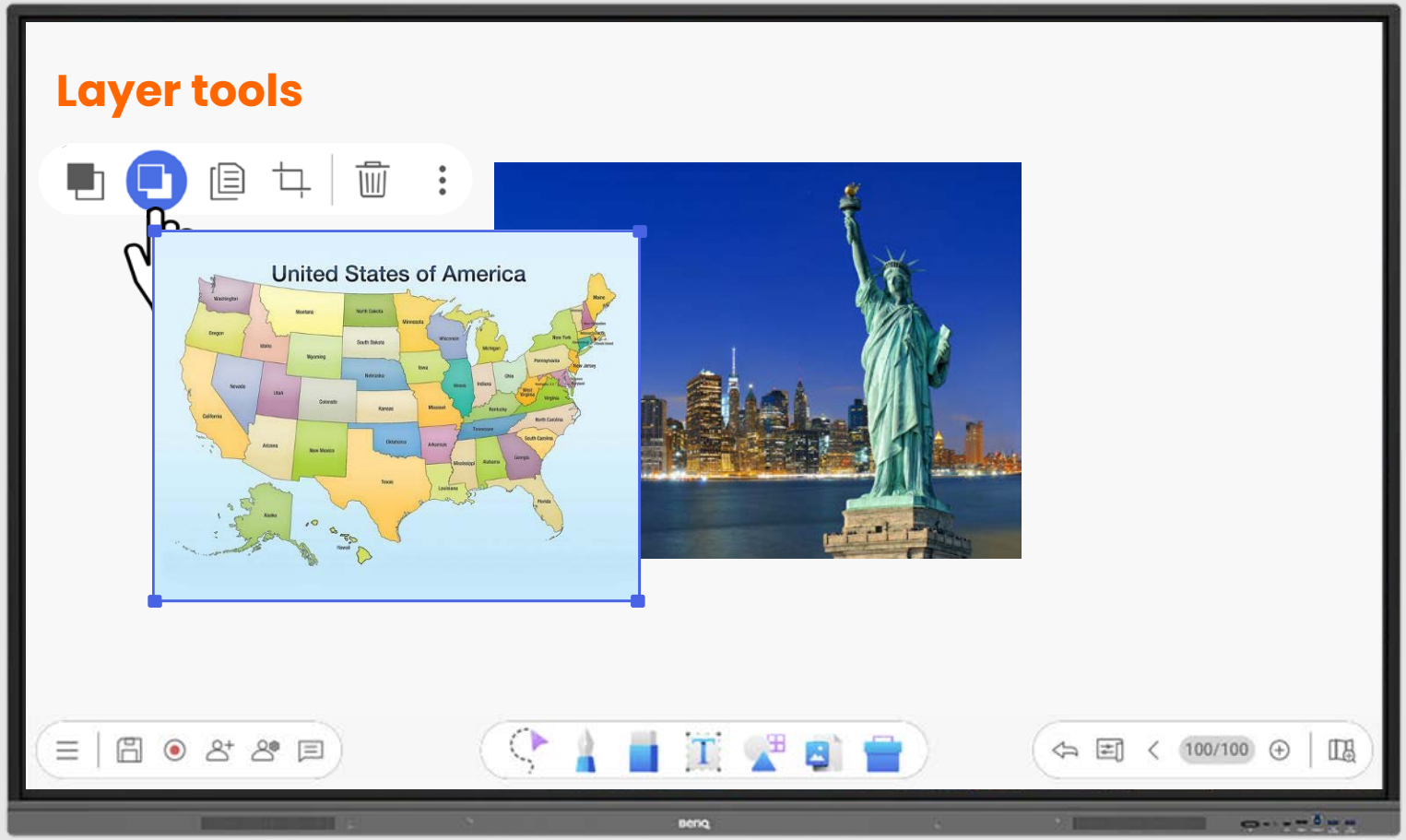
Google Classroom integration

By connecting to Google Classroom, EZWrite 6 Web lets you invite the entire class with just a few clicks. Open lesson materials, send announcements, and assign homework without leaving the whiteboard.

Rich tools for more effective & collaborative learning



Rich tools for more effective & collaborative learning



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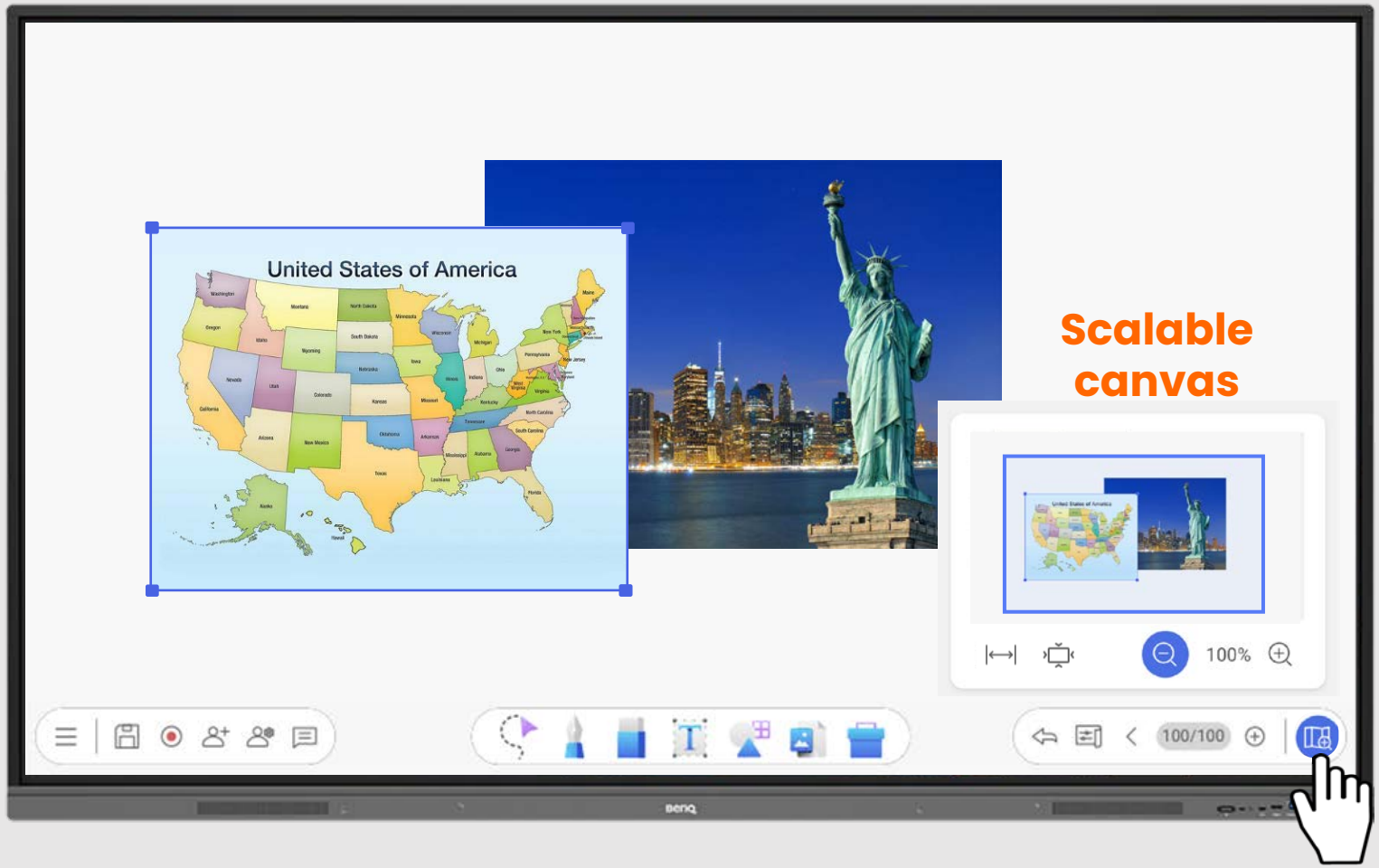
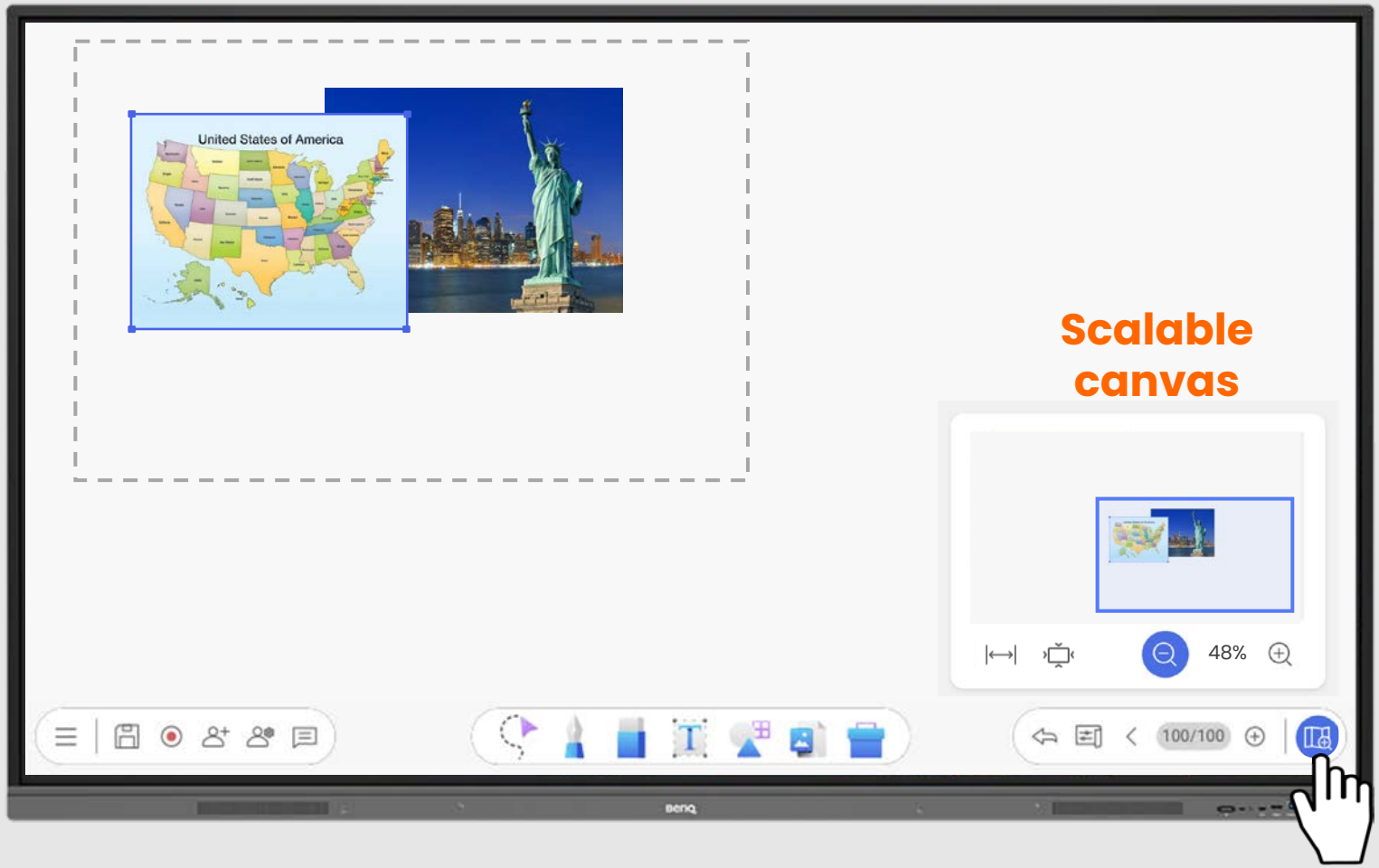
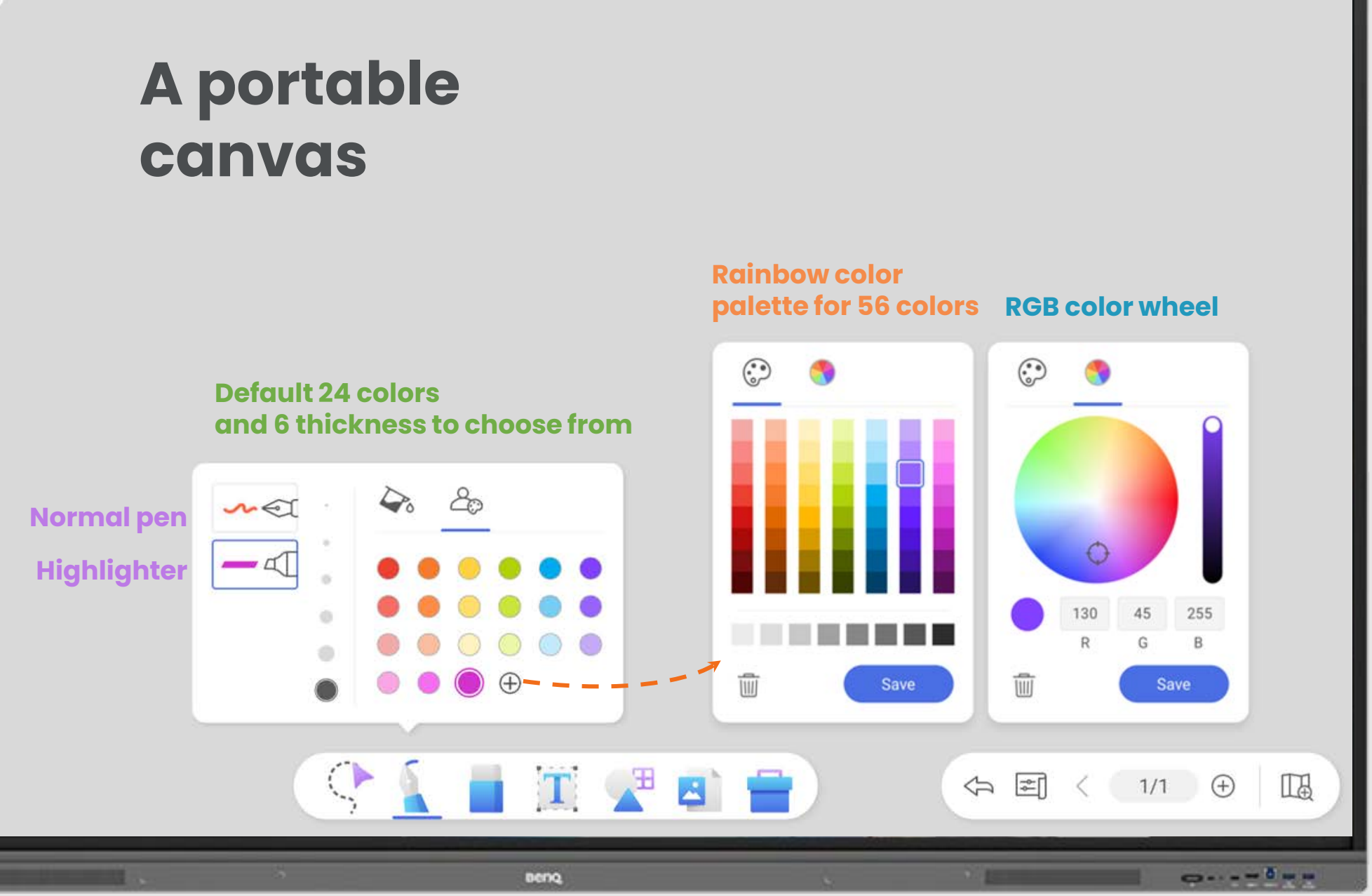


Rich tools for more effective & collaborative learning



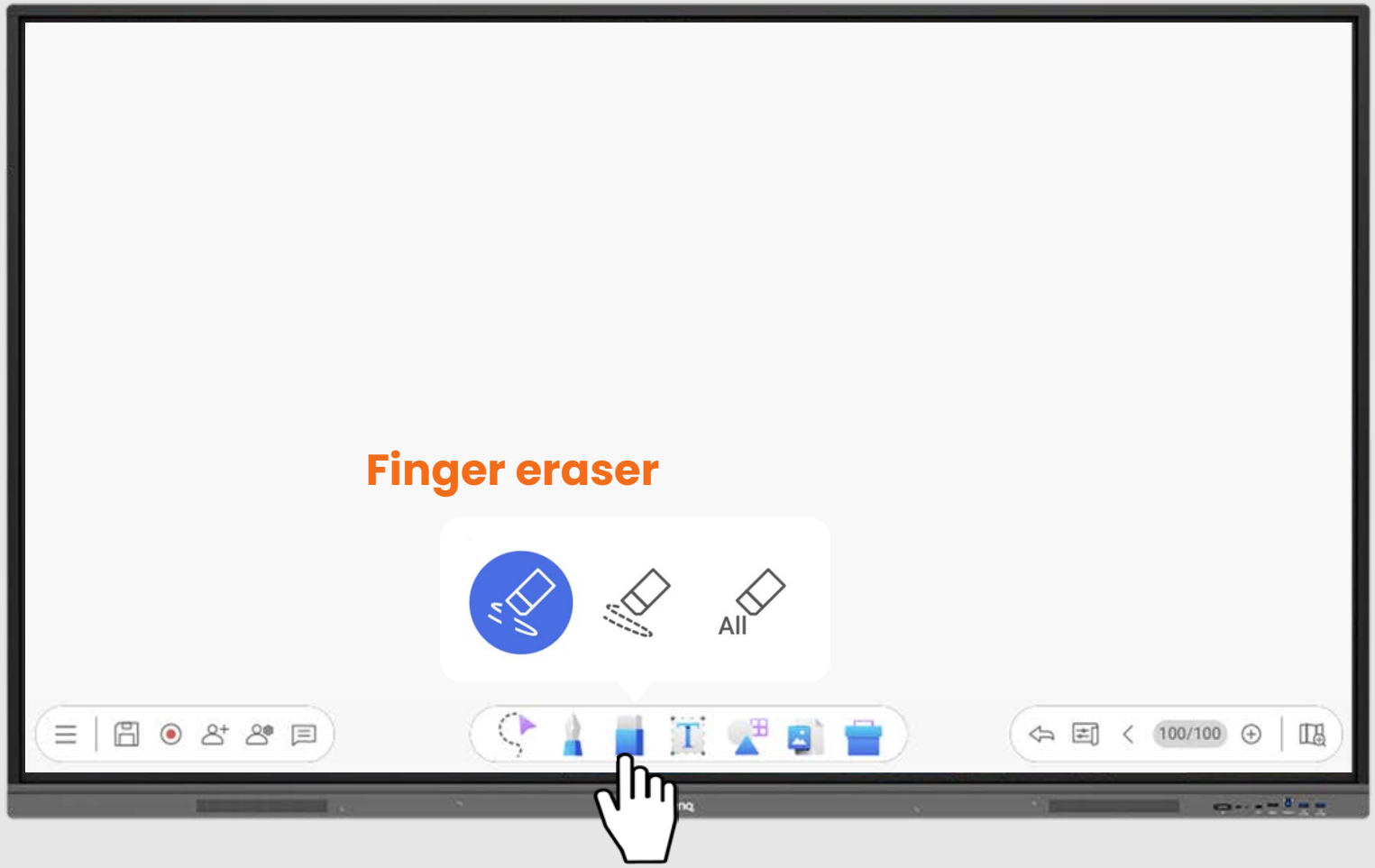
A portable canvas



Rich color options

- Two pen types
- Default 24 colors
- 6 thickness
- 56 colors rainbow color palette
- RGB color wheel

Rich tools for more effective & collaborative learning



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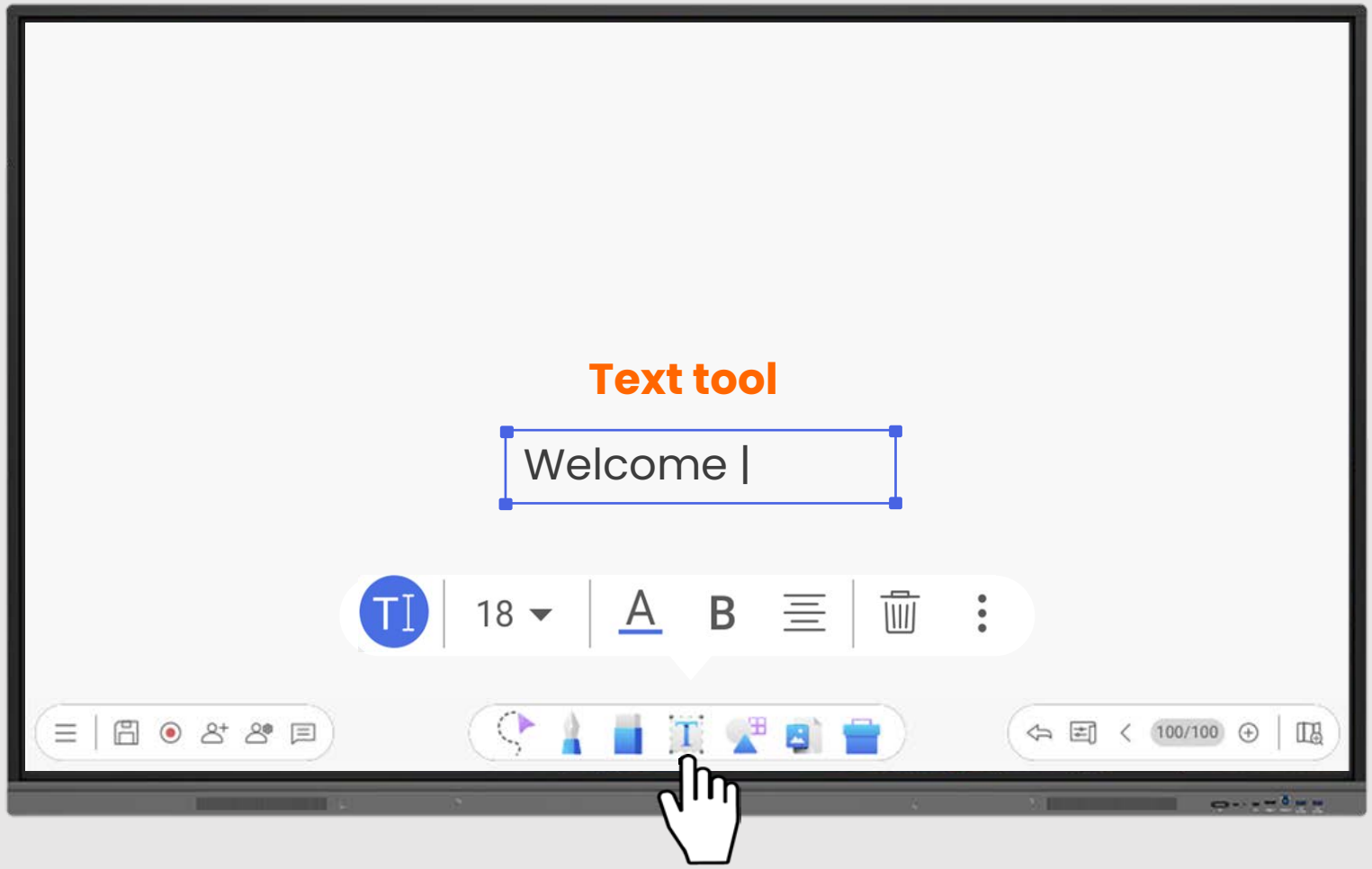

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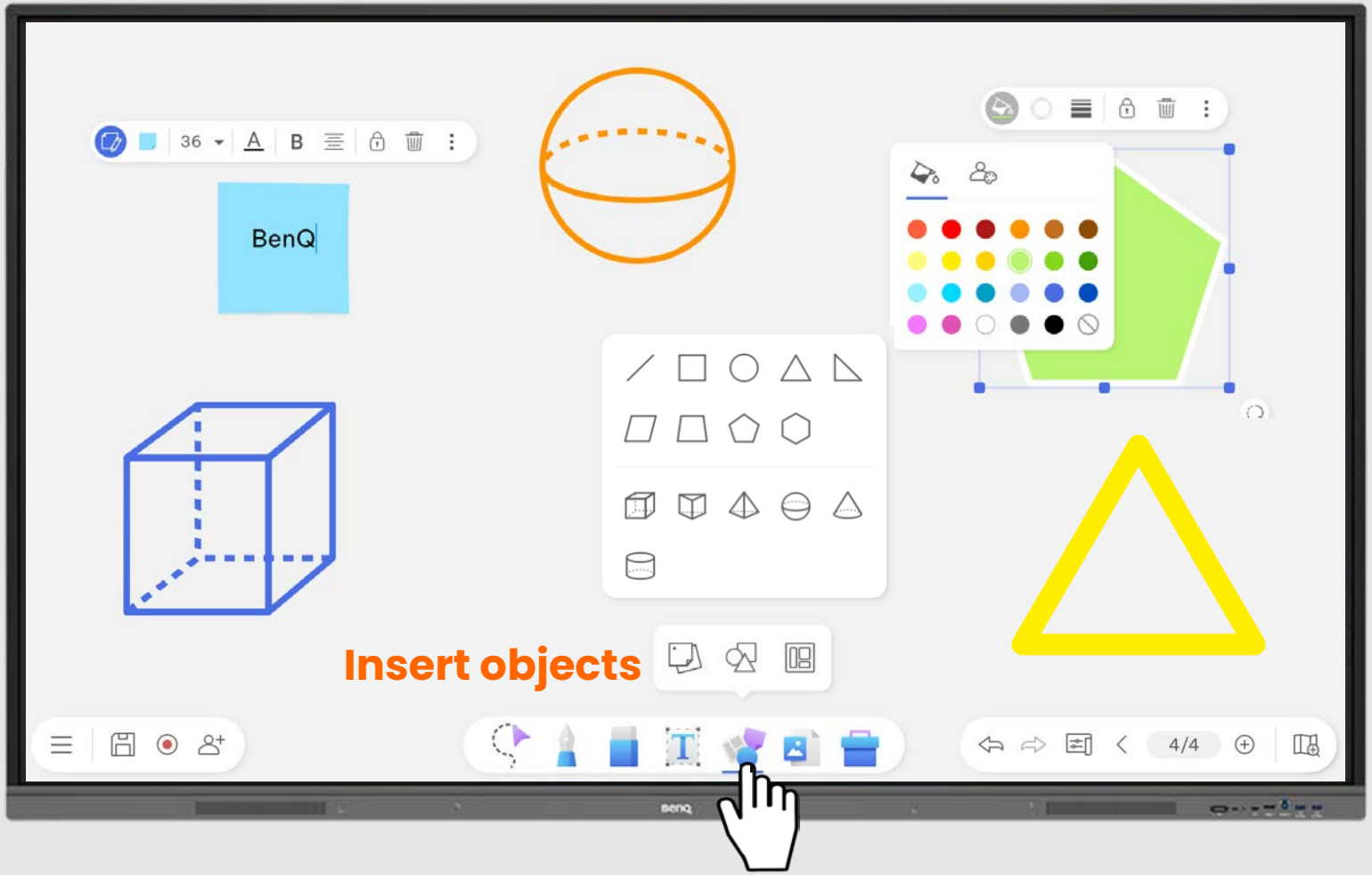

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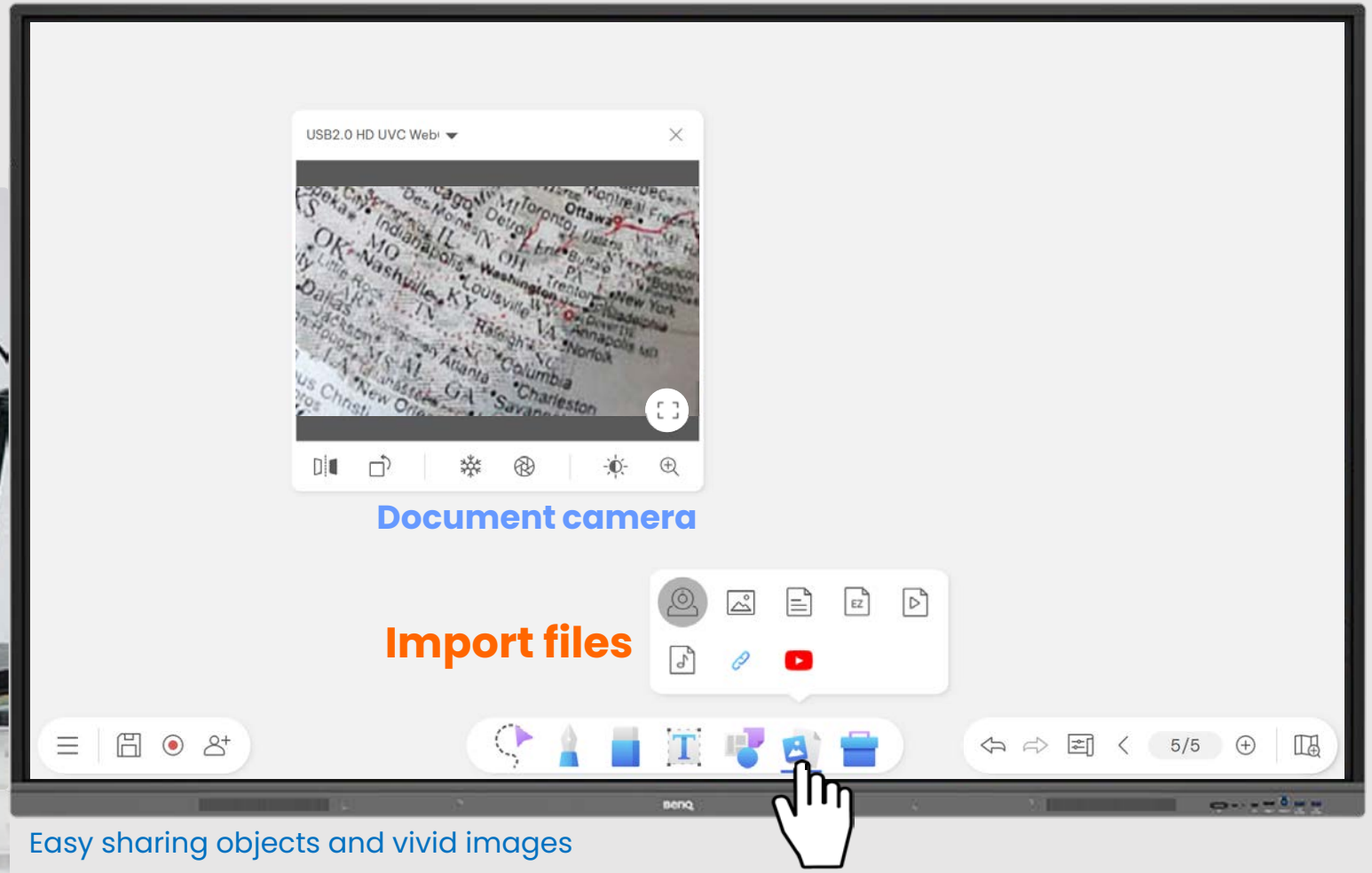

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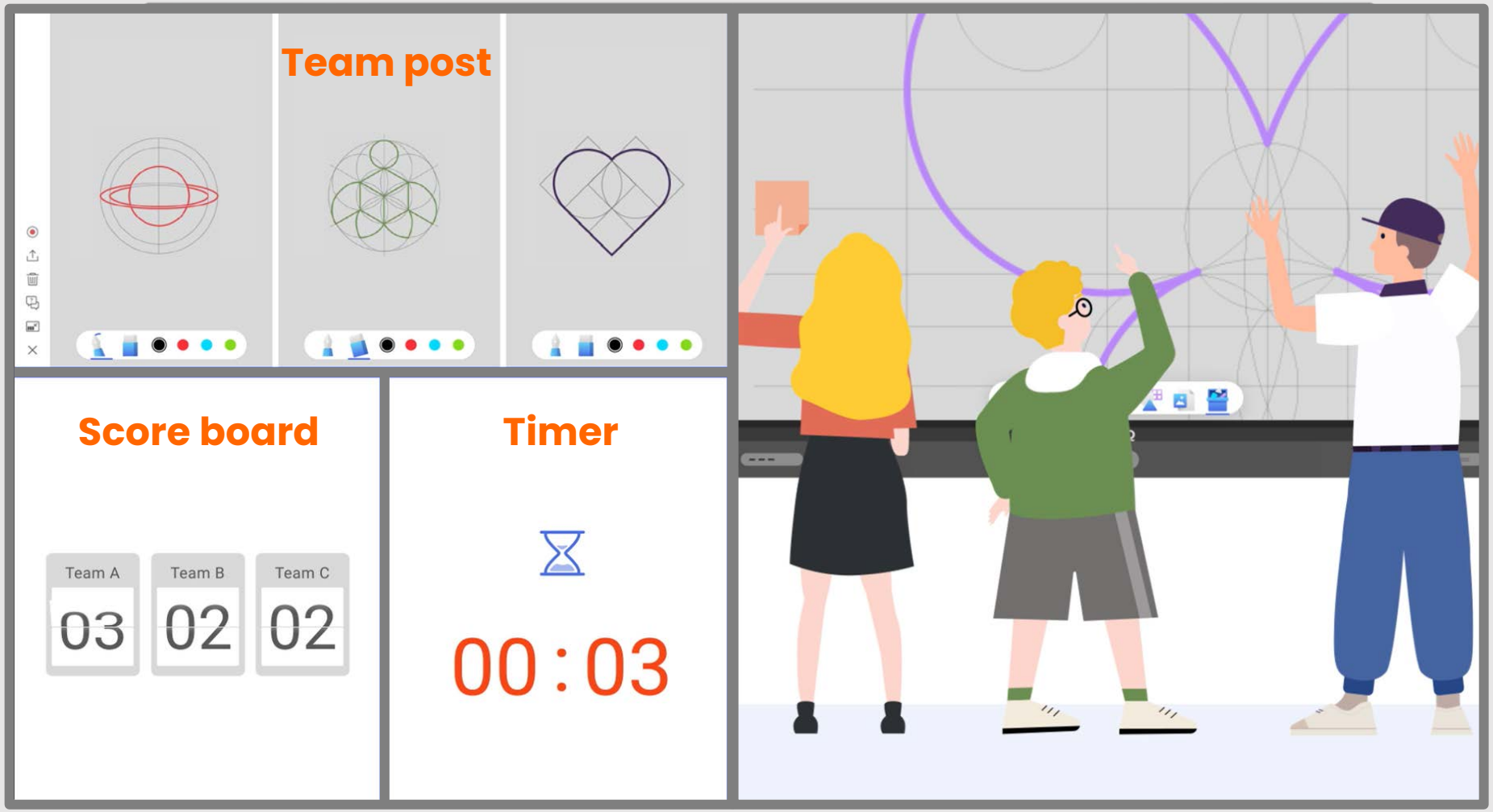
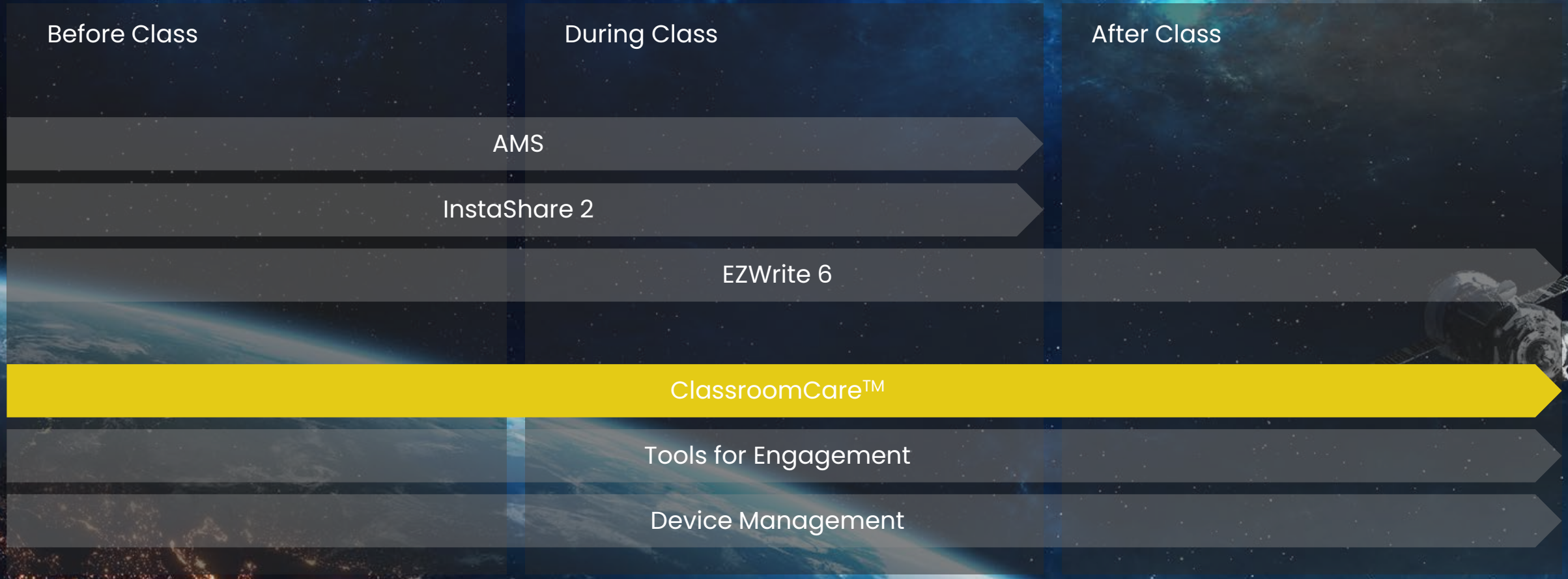


Rich tools for more effective & collaborative learning

RE03 series
Learning starts with good health



ClassroomCare™

World’s First Germ-Resistant Screen

Since 2017, BenQ has developed a safe and reliable germ-resistant screen using a proprietary technology of Silver Nano-particles (AgNP).

BenQ’ boards are the only ones certified by two of the most renowned international testing bodies: TÜV & SIAA.

TÜVRheinland CERTIFIED

SIAA ISO22196 for KOHKIN

Safe to touch

A Safe Germ-Resistant Pen for your BenQ Board

- Using its vast expertise on ClassroomCare technology, BenQ has developed the world's first germ-resistant pen for large displays certified by TÜV.

- The RE03 series comes with a pair of BenQ's germ-resistant pens that allows you to write in different colors without any interruptions.

BenQ Eye Care Solution

BenQ displays come with low blue light filters, flicker-free technology, and anti-glare screens for reduced eye strain and a comfortable viewing experience.

Low blue light*

Flicker free*

Anti glare

*Certified by TÜV

RE03 series
Learning starts with good health

Before Class	During Class	After Class
AMS		
InstaShare 2		
EZWrite 6		
ClassroomCare™		
Tools for Engagement		
Device Management		

Friendly User Interface

Leading Hardware & Excellent Acoustic

- BenQ's RE03 provides educators with the right tools to deliver engaging lessons in both hybrid & in-person learning.

- The RE03 boards are empowered with a powerful Android 11 and 4 GB of RAM. Also, they come with convenient front ports for quick access.

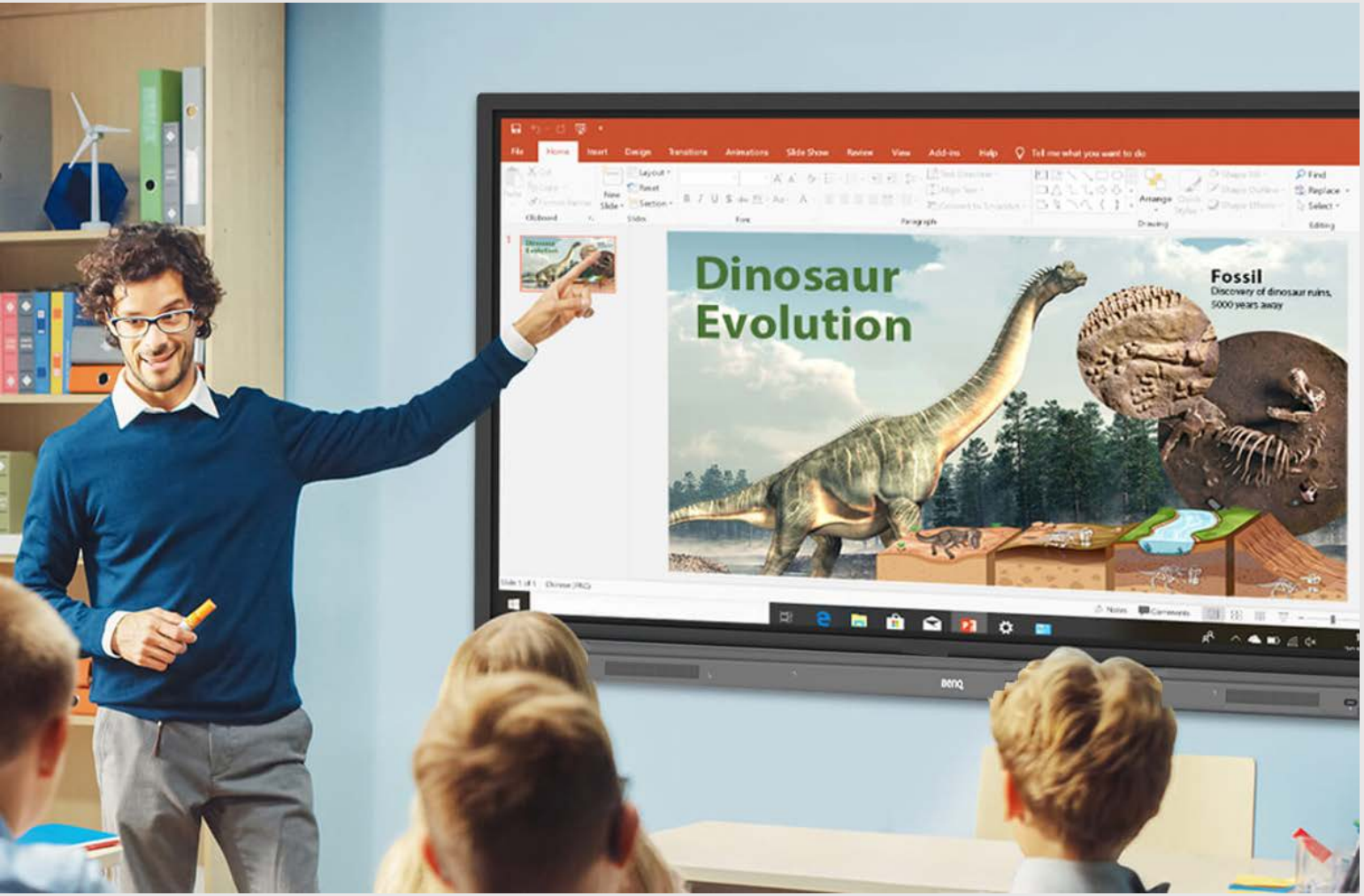
Android 11
32/4 GB

2 Speakers
16W

USB
Type C

1000Mbps
ethernet
port

Friendly User Interface



Same Windows, Bigger Frame

- Slot-in PCs, also know as OPS modules, have become the standard system architecture between interactive flat panels displays, reducing compatibility and interoperability issues.

- The newest RE03 series is fully compatible with OPS devices bringing the Windows ecosystem to your classroom.

RE03 series
Learning starts with good health

Before Class	During Class	After Class
AMS		
InstaShare 2		
EZWrite 6		
ClassroomCare™		
Friendly User Interface		
Device Management		

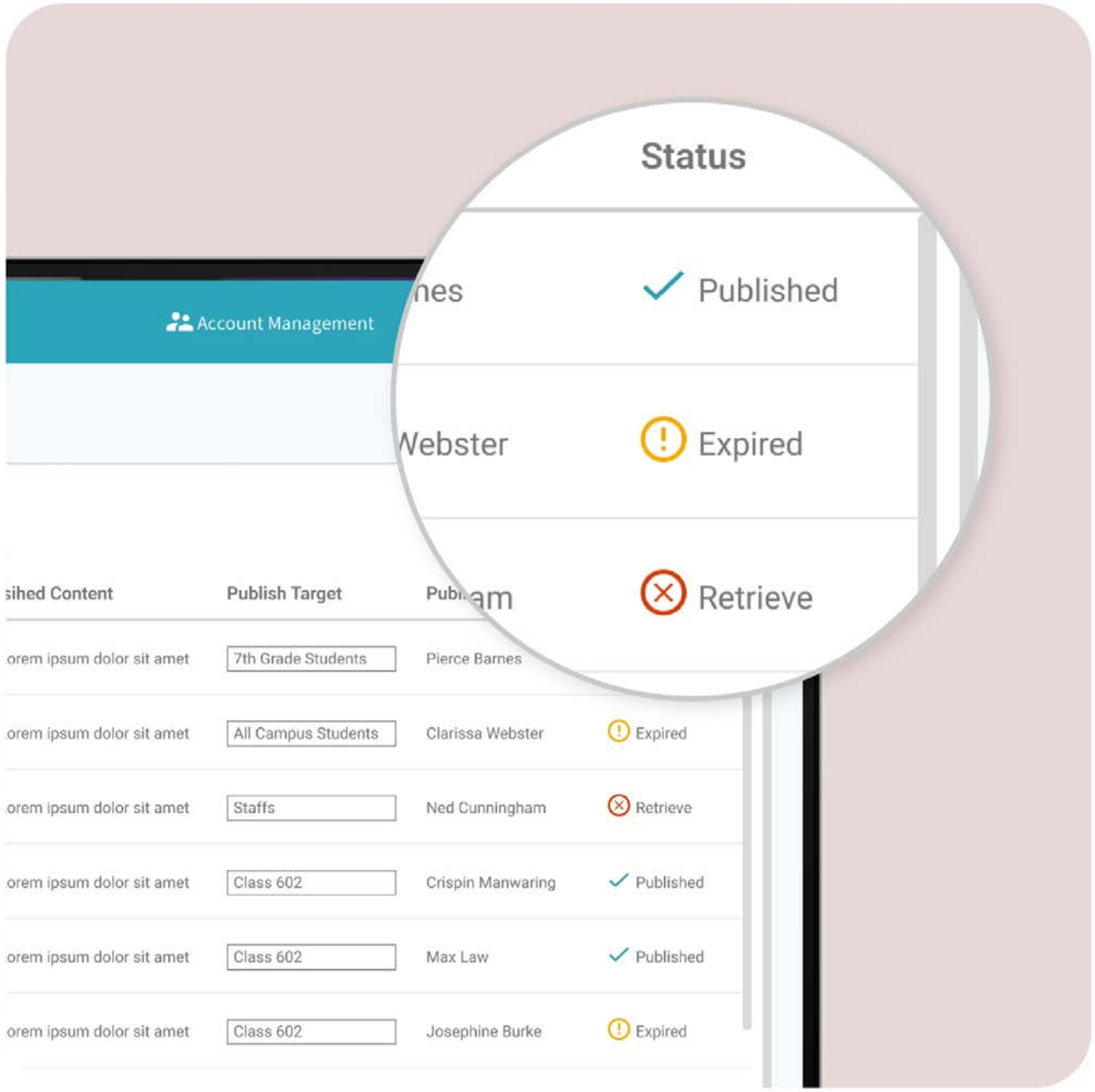
DMS

Hassle-Free Management

BenQ's **DMS** (Device Management Solution) enables both remote & centralized management of multiple displays via the internet or a local network, to reduce IT workload with our management solutions.

It allows you to:

- Control display settings & usage
- Update firmware & apps remotely
- Check memory usage, bandwidth power status etc.
- Access anywhere



Immediate Message Delivery

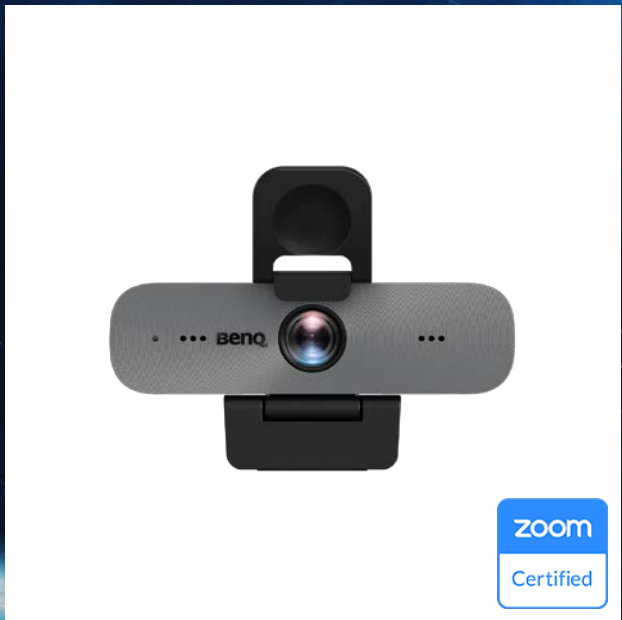
- X-Sign Broadcast has been designed to simplify the broadcasting process in real-time or prescheduled across different classrooms.
- Supported formats:

Images & Audio Files | MS Office Documents | YouTube Videos | Live Streaming

*More information for X-Sign Broadcast

Maximize your BenQ Board's Power & Functionality with these Accessories

Rolling Stand
MT01



Video Camera
DVY31

- 1080p Full HD video
- Omnidirectional microphone
- USB plug and play

Slot-in PC OPS
TEY21

*For more product information, please contact your local sales rep

TZY31 BenQ wireless solution

Simple & Secure Presentations with InstaShare Button

- Just plug **InstaShare Button** into your laptop and start presenting wirelessly on your BenQ board.
- InstaShare Button enables up to **9 students** to present simultaneously and interact with each other.

Encrypted Wireless Transmission

USB Type C Data transfer & charging

Total Solution: Cradle + Dongle + Buttons

BenQ

ClassroomCare®

Learning starts with good health

Comparison table

RE01 series

RE03 series

Comparison Table

Product specifications	2020 RE01 series	2022 RE03 series NEW
Panel / Soc		
Panel sizes	65”, 75”, 86”, 98”	65”, 75”, 86”
SoC	Quad-core	Quad-core
OS	Android 8.0	Android 11.0
Memory / Storage	3GB / 32GB	4GB / 32GB
Brightness (nits)	400, 550, 450, 500	400
Touch		
Bonding technology	Air bonding	Zero bonding
Touch points	20	40
USB-touch posts	2 (front USB-B 2.0, side: USB-B 2.0)	2 (front: USB-B 3.0, side: USB-B 2.0)
Glass		
Cover glass	4mm, 9H tempered	3.2mm, 9H tempered
Anti-glare	●	●

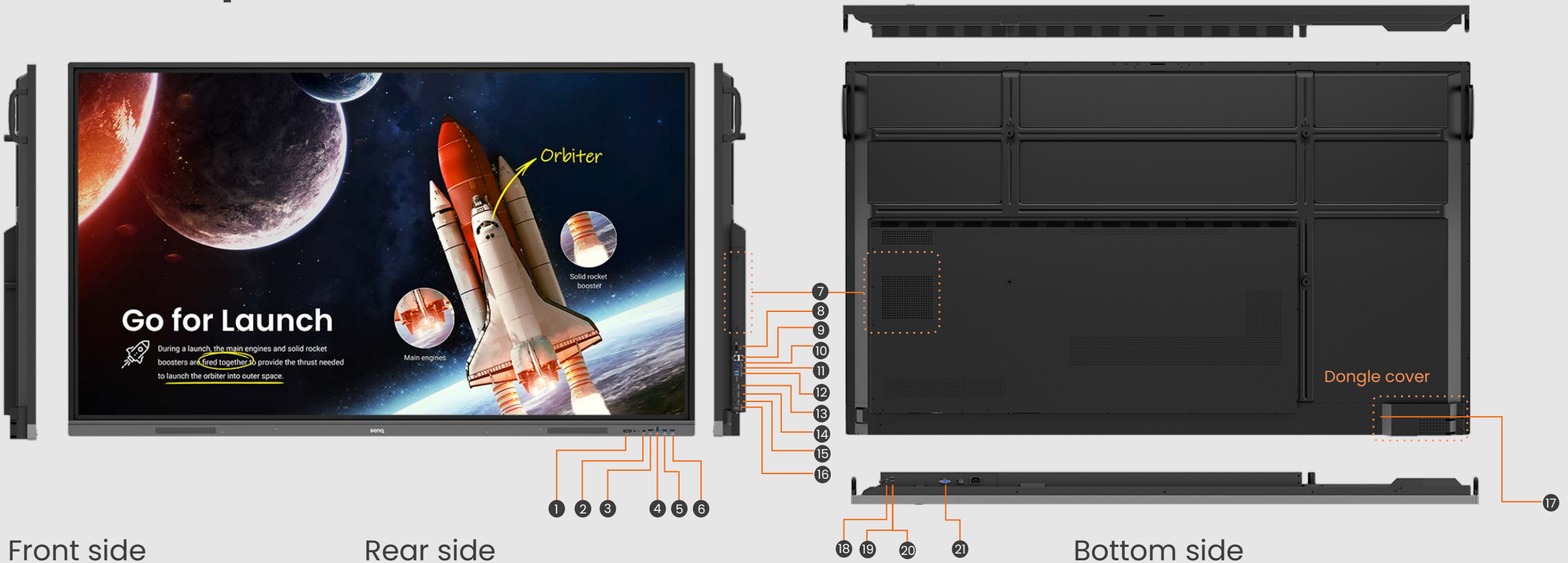
Comparison Table

Product specifications	2020 RE01 series	2022 RE03 series NEW
Ports at the front	USB-A 2.0 (OPS follow 3.0) x2 USB-B 2.0 (Touch function) x1 HDMI in x1	USB-C (display, audio, touch, data transfer, 65W charging) x1 SmartPort USB-A 3.0 (OPS follow) x2 USB-B 3.0 (Touch function) x1 HDMI in x1
All I/O ports		
USB-A	4 (3.0 x2, 2.0 x2)	6 (3.0 x4, 2.0 x2)
USB-B	2 (2.0 x2)	2 (3.0 x1, 2.0 x1)
USB-C	NA	Front 3.0 x1 (5-in-1 with 65W charging)
HDMI (in | out)	2.0 x3 | 2.0 x1	2.0 x3 | 2.0 x1
RS232 input	x1	x1
DP in	1.2 x 1	NA
VGA in	x1	x1
PC audio in	x1	x1
3.5mm line out (stereo out)	x1	x1
SPDIF out	x1	x1
OPS slot	x1	x1
Ethernet LAN	100 Mbps x2	1000 Mbps (Android & OPS) x2

Comparison Table

Product specifications	2020 RE01 series	2022 RE03 series NEW
Built-in peripherals		
Speaker	15W *2	16W *2
Wi-Fi dongle protection	NA	Yes
Software solutions		
Whiteboard	EZWrite 5	EZWrite 6
Screen sharing	InstaShare	InstaShare 2
Handwriting recognition	EN only	31 languages
ClassroomCare features		
Germ-resister coating screen	Yes	Yes
Germ-resister front power button	NA	Yes
Germ-resister stylus	NA	Yes
Eye-Care solutions	Low blue light / Flicker free	Low blue light / Flicker free

RE03 I/O ports



Front side

1. Power button
2. 5 in 1 Type-C (65W charging)
3. HDMI in 2.0
4. USB-B 3.0 (TOUCH 2)
5. USB-A 3.0 (SmartPort)
6. USB-A 3.0 (SmartPort)

Rear side

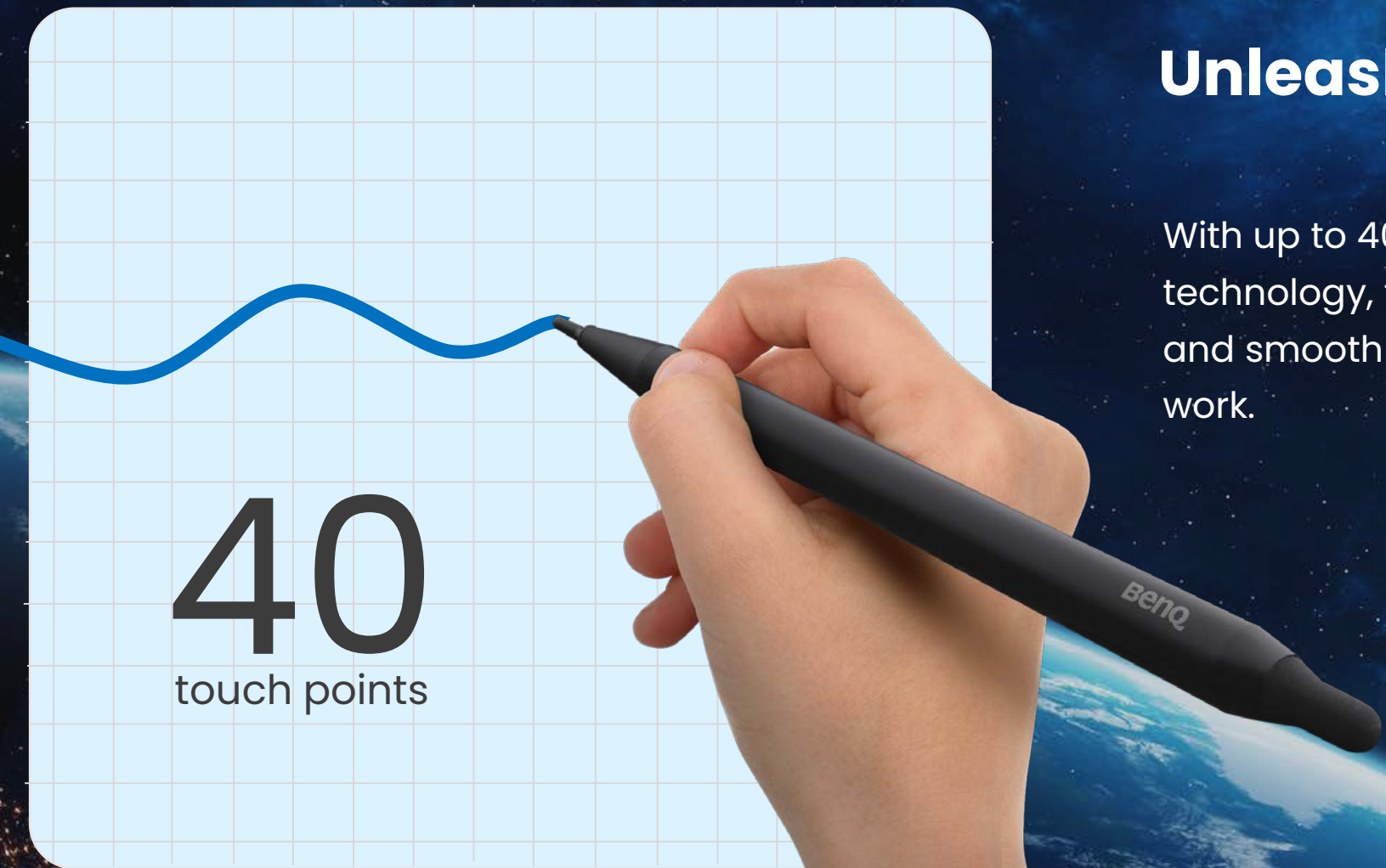
7. OPS slot
8. RS232
9. Ethernet LAN (1000 Mbps) x 2
10. USB-A 3.0
11. USB-A 3.0
12. USB-B 2.0 (TOUCH)
13. HDMI in 2.0
14. HDMI in 2.0
15. HDMI out 2.0
16. USB-A 2.0
17. USB-A 2.0

Bottom side

18. SPDIF out
19. Audio out (Earphone)
20. Audio in (PC audio)
21. VGA

Unleash your creativity

With up to 40 touch points and Fine IR+ technology, the RE's screen ensures fast and smooth response-perfect for group work.



Ports at the front

Front I/O ports, including a full-feature USB Type-C port, give you quick access to USB charging and touchback capabilities.

USB-A 3.0 * 2
USB-B 3.0 (TOUCH 2) * 1
Power button

HDMI in * 1
Type-C * 1 (65W)

65W charging Data Audio Video Touch

High configuration interactive display

- Android 11
- 40 touch points
- OTA updated
- IP5X dust proof
- 65W charging
- 1000 ethernet port
- 16W x 2 speaker
- 9H tempered / 3.2 mm

BenQ Board
Essential RE03
Everything you need
is already inside
Orbiter
Solid rocket
booster
Main engines
During a launch, the main engines and solid rocket
boosters are fired together to provide the thrust needed
to launch the orbiter into outer space.
BenQ