

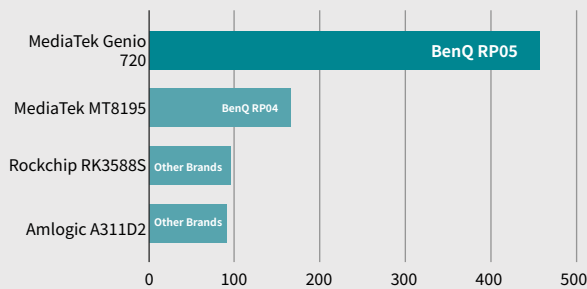


BenQ Education
Shape the Future of Learning

RP05

AI-Powered No.1

SOC AI Performance



- RP05 leads the market → Top AI score: **458**
- **+176%** higher than RP04 SoC MT8195

- Competitor (NPU 6 TOPS) scores only 95.7 in AI benchmark
- Competitor SoCs show much **lower** AI scores
- Competitor fall **below 100**

Upgraded items

High-Performance CPU

- Dual-core A78 (2.6G) + A55 (2.0G) 8 Core Soc
 - 20% faster than A76
- 6nm MIT CPU Single Core (made in Taiwan)
 - +20% than RK3588
- 2.6GHz clock speed
 - smoother app launches & responsive performance

AI-Optimized NPU (10 Tops)

- Industry-leading NPU spec
- Handles real-time AI tasks
- AI Performance up 130%

Early Dev Stage Board Test

- EZWrite opens in 1.1 sec
- 70MB file imports in just 2.2 sec



- Android 15.0 with Google GMS Integration
 - EDLA and Google Tier 2 security certified
- https://storage.googleapis.com/play_public/supported_devices.html

Unique Features

- USB-C: Support up to 100W charging & Display + Audio + Touch all in one cable
- Motion sensor - Auto power on when detect person in front of panel
- Unique 20W x 2 sound bar design with 16W subwoofer
- 8 built-in Array Mic with echo cancellation and noise reduction
- Front mic in for use of our sound bar speaker
- Support dual monitor mirroring, you can control which client app to show in primary or secondary monitor (no only for BenQ monitor)

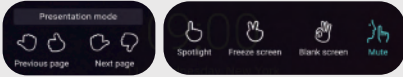


ASK AI?

AI Functions

Camera Gesture

Control functions remotely via gestures, even away from the board — including spotlight, freeze, blank, mute, and navigating PowerPoint slides forward or backward.



Scribble to delete

A scribble gesture is used to delete a text. It could be a vertical or a horizontal gesture.



A scribble is a text. It could be a vertical or horizontal.

Circle to OCR

Drawing a circle like shape around the text is usually used to do the text selection.



like around the text is usually used to do the text selection.

Text-to-speech (TTS)
Have the board read your text aloud in a natural voice.

Translate text
Translate text into various languages with Google Translate.

Optical character recognition (OCR)
Convert text from images and documents into editable text by selecting an image.

Hand drawn Shape recognition
Convert hand-drawn geometric shapes into editable, perfect shapes.

Handwriting recognition
Convert your handwritten text into editable text in dozens of languages.

The cow jumped over the moon.

$m^2 + mn - 6n^2 = ?$

$m^2 + mn - 6n^2 = (m+3n)(m-2n)$

A scribble gesture is used to delete a text. It could be a vertical or a horizontal gesture.

A scribble is a text. It could be a vertical or horizontal.

Drawing a circle like shape around the text is usually used to do the text selection.

like around the text is usually used to do the text selection.

ez Handwriting Recognition

hello

[T] Optical Character Recognition (OCR)

Welcome to EZWrite!

Hand-drawn Shape Recognition



ASK AI

AI Functions

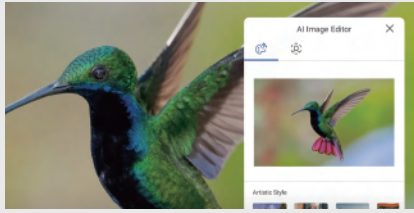
AI Background Remover

This function can now automatically detect the subject in an image and remove its background with this feature.



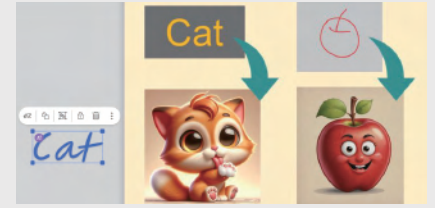
AI Style Transfer

Users can now transform an image into a different artistic style.

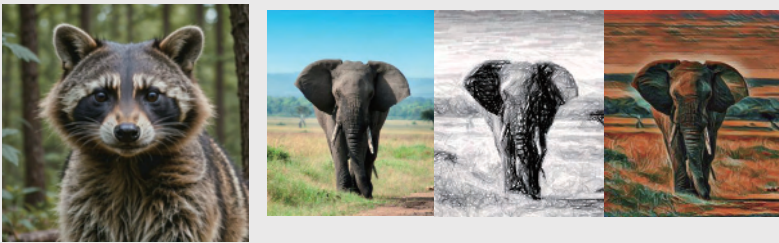


Circle to Artify (AI pen)

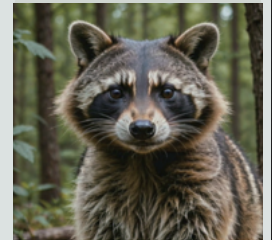
Draw text or images, and AI will convert into artwork (3D, realistic, or cartoon styles).



Chapter 1. Explore the wild together



Ask AI



What do they eat?

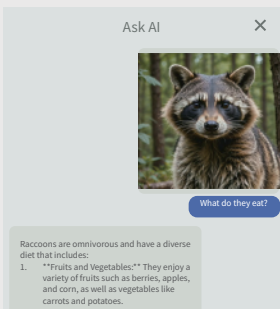
Raccoons are omnivorous and have a diverse diet that includes:

1. **Fruits and Vegetables:** They enjoy a variety of fruits such as berries, apples, and corn, as well as vegetables like carrots and potatoes.
2. **Nuts and Seeds:** Acorns, walnuts, and other nuts are common food sources.
3. **Insects and Invertebrates:** Raccoons often eat insects such as beetles, crickets, and worms.
4. **Small Animals:** They may prey on small mammals, birds, and their eggs.

Ask AI

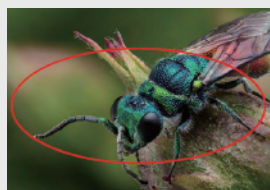
Ask Ai

AI can identify plants or insects in your mirrored image view and provide detailed information about the object.



AI Lens

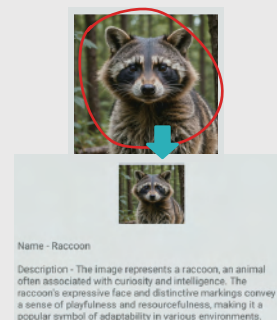
Ask AI anything you need. Simply import an image or text (via typing or voice), and AI will deliver the best results for you.



Chrysis ignita, commonly known as the ruby-tailed wasp or cuckoo wasp, is a fascinating insect known for its dazzling metallic coloration and parasitic lifestyle.

Lasso search

Circle any text or image, and AI will instantly search and return the best results.





Google EDLA Certified

Google Classroom

If you are Google Classroom user, you can link your account to use your Classroom and Stream from the EZWrite cloud whiteboard.



Core APP

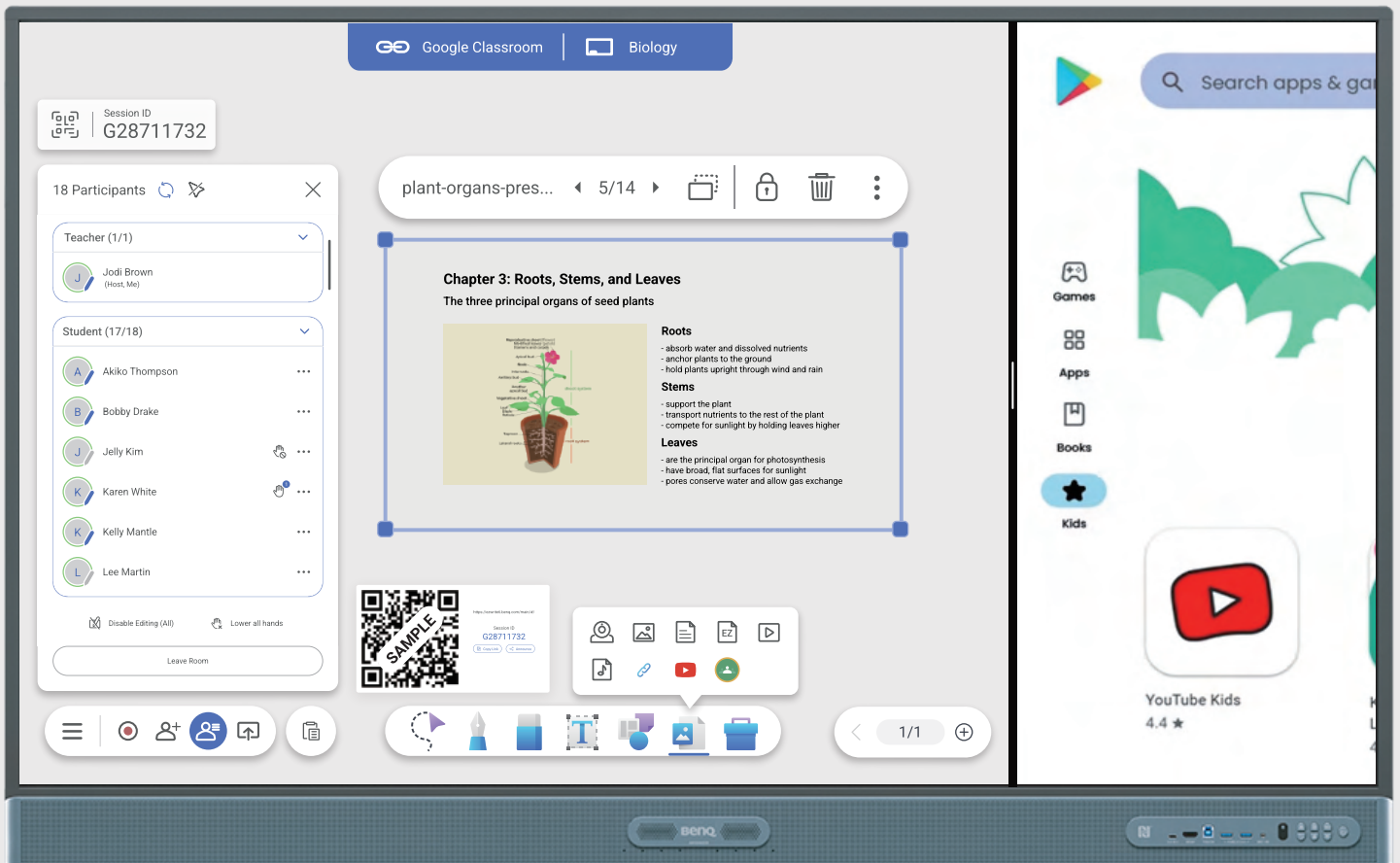
Directly use video conferencing software like Teams/ Meets, or YouTube/ Google Calendar applications that require Google services.



Officially Certified

Officially certified by Google:

https://storage.googleapis.com/play_public/supported_devices.html



AI for accessibility & inclusivity

Google increases accessibility and inclusivity with Text-to-speech, Multilingual translation as well as OCR.



All the apps you need

Google Play's extensive library of educational games and productivity tools is now available for official use on the latest BenQ Boards.



Google Search, a tap away

A whole world of information awaits, without even opening your browser. Access Google Search directly from the Home screen.



Better device security

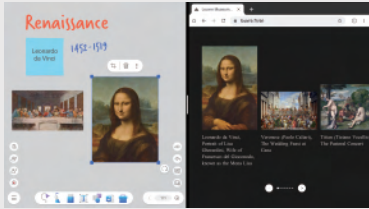
Google Play Protect prevents users from downloading potentially harmful apps to the BenQ Board and even removes previously installed apps that exhibit malicious behavior.



EZWrite Support Functions

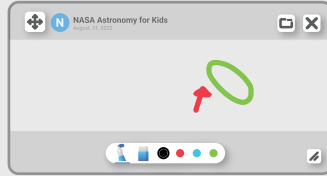
Split-Screen Mode

Tap on Google Chrome, Maps, Drive, or Microsoft Math Solver, from the Toolbox to activate split-screen, allowing you to use these apps side by side.



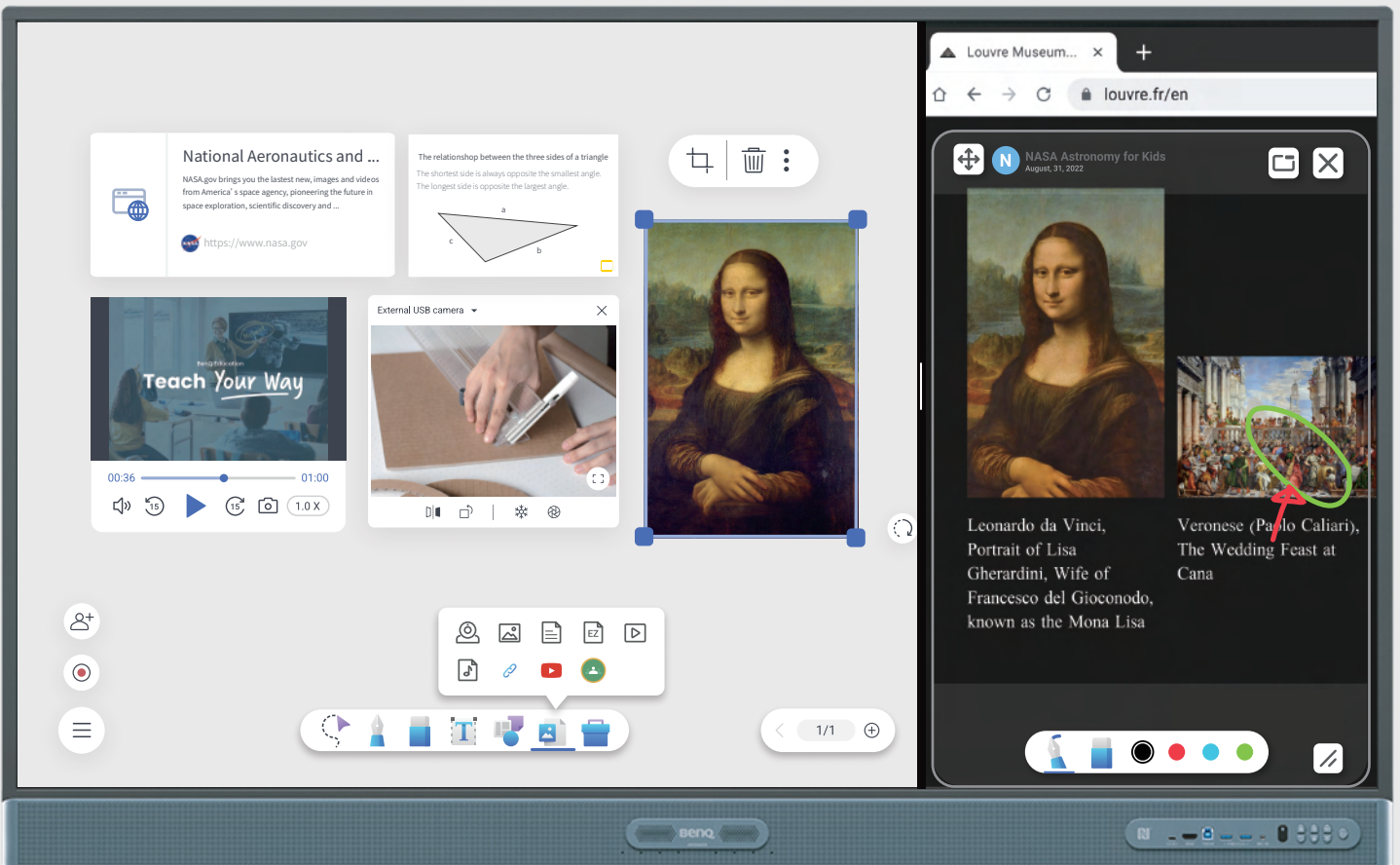
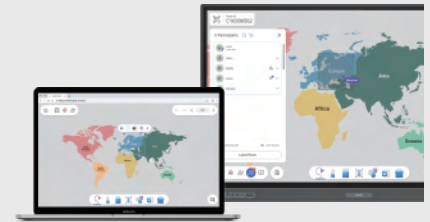
Floating Notes

Floating Notes is a movable, transparent notepad that lets you annotate anywhere on the display, even over and HDMI input source, while simultaneously interacting with EZWrite canvas.



Cloud Whiteboard

Enabling the cloud whiteboard feature allows others to join your whiteboarding session remotely from up to 49 devices.



Camera

Stream live video from a camera and take screenshots.



Image files

Import image files in a variety of file formats, including animated GIFs.



Video files

Import video files to play them directly in EZWrite. Pause and annotate over videos, even take screenshots.



Whiteboard files

Import pages from EZWrite, IWB, and NOTEBOOK whiteboard files to use as lesson materials.



Office files or PDFs

Add your existing lesson materials to your whiteboard and select which pages in your file to import.



Audio files

Add audio files in MP3 and WAV formats to play them on the page.



Links

Add a URL to your whiteboard to quickly access useful websites during lessons or for students to review at their pace.



Google Drive

Add lesson materials from your Google Drive to the whiteboard.



YouTube videos

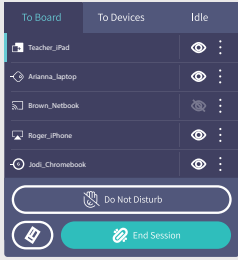
Paste a link to a YouTube video or search for one directly from EZWrite.



InstaShare 2

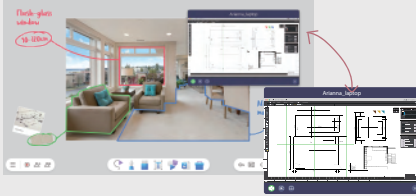
Support Various Devices

Window Devices, Apple Devices, Android Devices, ChromeOS Devices



Floating Window Mode

The Floating Window mode allows you to cast content to the board in a resizable window so you can still use the board's apps while referencing your shared device screen.



Smart Spilt Screen Mode

Use InstaShare 2 in full screen and allow up to 9 participants to share their screens on the board. You can control any laptop screen that's being shared using the InstaShare 2 app.



Image Sharing

Share images stored on your devices to BenQ Board.
Supported formats: .jpg, .png, .webp, .bmp, .heic, .heif, .avif
Supported devices: Windows, macOS, Android, iOS, iPadOS

Video Sharing

Share videos stored on your devices to the BenQ Board.
Supported formats: .mp4, .mkv, .webm, .3gp
Supported devices: Windows, macOS, Android, iOS, iPadOS

Camera Sharing

Share a live video feed to the BenQ Board using your device camera. An auto-rotate is adopted to change the orientation of your video on the BenQ Board.

Document Sharing

Share PDFs and other Office files stored on your iOS, iPadOS, or Android device to the BenQ Board.
Supported formats: PDF, PowerPoint, Word, Excel

NFC Sharing

Tap your smartphone on the BenQ Board's NFC sensor to instantly share your device screen.
Supported devices: Android, iOS

Quick Media Sharing

Share media directly from your mobile device gallery to InstaShare 2 on the BenQ Board using Bluetooth.
Supported formats: Image, Video, PDF, PowerPoint, Word, Excel



InstaShare 2

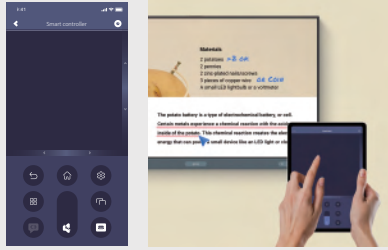
No Additional Software

Share your screen without needing to download any apps. InstaShare 2 supports native casting from Apple and Windows devices, Chromebooks, and Chrome browsers.



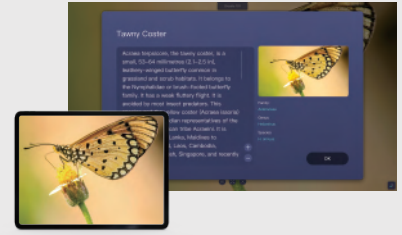
Smart Controller

Activate the smart controller to use the InstaShare 2 client to remotely control the BenQ Board.



AI Lens


Use AI Lens with your device to identify and get information on different species of insects and plants.



Circuits 101

Tawny Coster

Acraea terpsicore, the tawny coster, is a small, 53–64 millimetres (2.1–2.5 in), leathery-winged butterfly common in grassland and scrub habitats. It belongs to the Nymphalidae or brush-footed butterfly family. It has a weak fluttery flight. It is avoided by most insect predators. This species and the yellow coster (*Acraea issoria*) are the only two Indian representatives of the predominantly African tribe Acraeini. It is found in India, Sri Lanka, Maldives to Myanmar, Thailand, Laos, Cambodia, Vietnam, Bangladesh, Singapore, and recently Australia



Family:
Asteraceae

Genus:
Helianthus

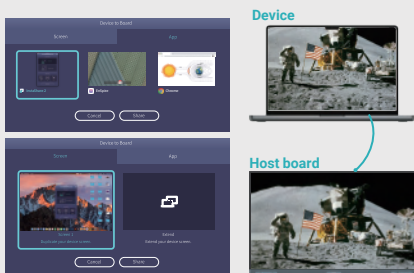
Species:
H. annuus

OK

BenQ

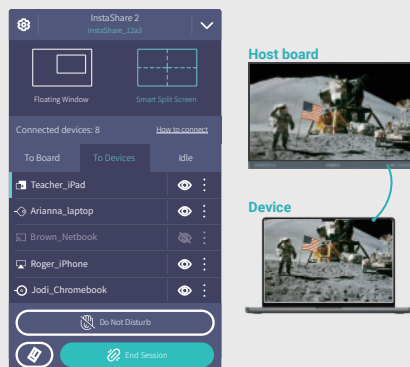
Device to Board

Share your device screen to the BenQ Board using the InstaShare 2 app. Support for mirroring platforms like Airplay/ Miracast/ Chromecast.



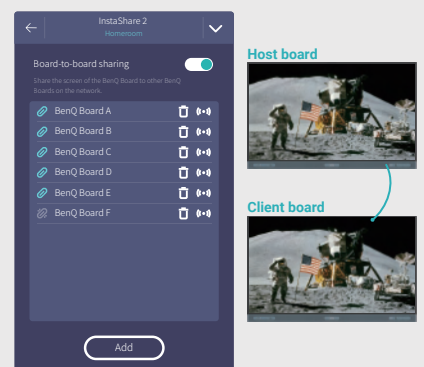
Board to Device

Cast the BenQ Board to your device using the InstaShare 2 app to annotate or control the screen.



Board to Board

Duplicate the BenQ Board screen to other BenQ displays in the local network.





Android 15 | Note Browser

Enhanced Security

Latest system patches and improved app permission controls.



Improved Performance

Access to the latest educational and productivity apps.

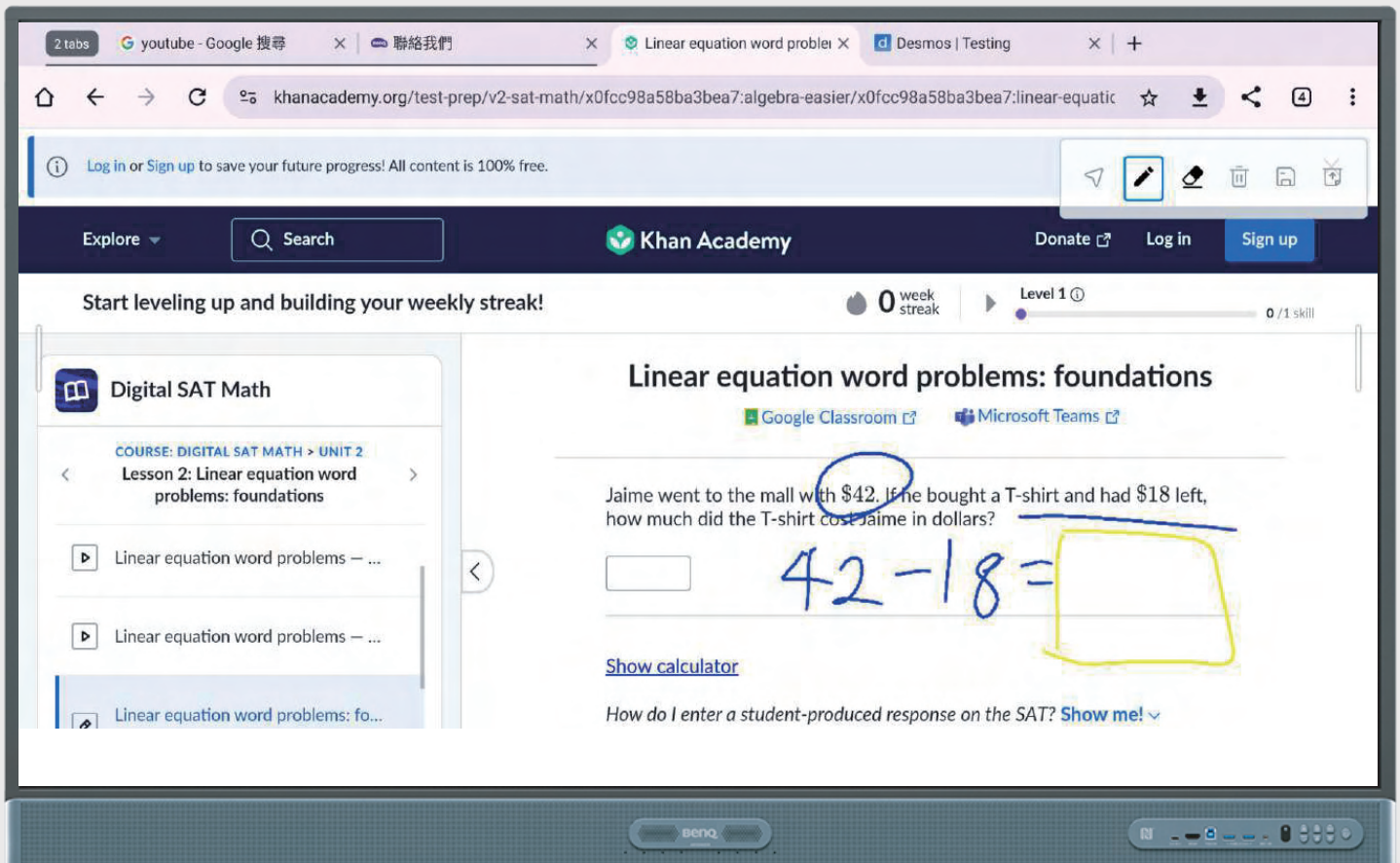


Advanced compatibility

Optimized Resource Management, improved performance for memory-intensive workloads.



Android 15



Note Browser

Floating Tool/Notes

Allows users to overlay annotations on top of any on-screen content, including a web browser, video, or document. You can access it by tapping and holding the screen with two fingers or via a sidebar menu.

Browser Access

BenQ Boards typically have a built-in browser where you can navigate the internet.

Duo Windows/Side-by-Side

The Duo Windows feature allows you to run the EZWrite whiteboard app and the web browser side-by-side, effectively creating a split screen for multitasking and easy reference.

Cloud Integration

Notes taken can be saved to personal cloud storage (like Google Drive or Microsoft OneDrive) and accessed from any BenQ board, allowing for seamless lesson preparation and sharing.

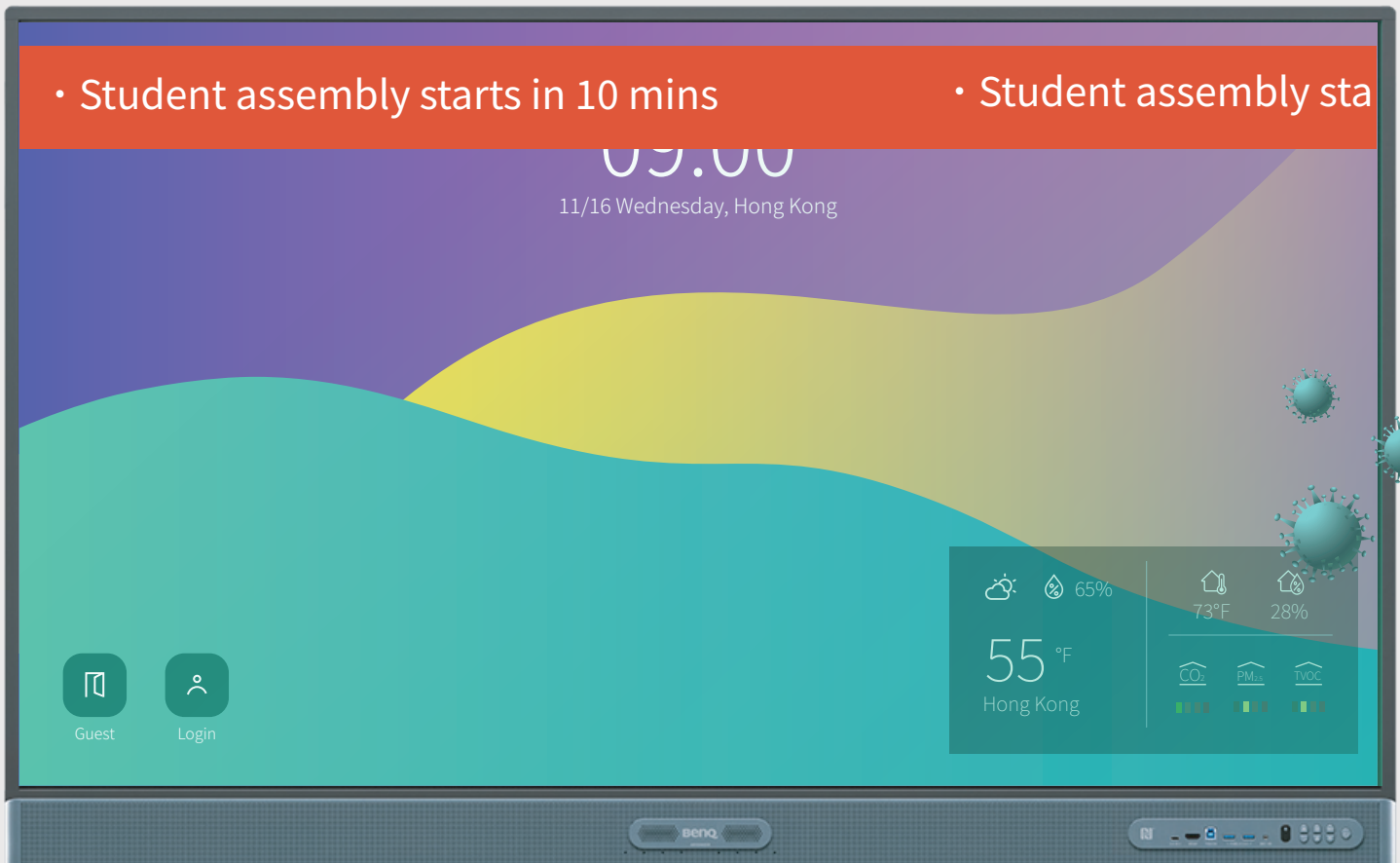
Screen Capture

Users can capture specific parts of the browser screen or the entire display to annotate on or save within EZWrite.



- Leverage the lifetime cloud-based (AWS) broadcast system with Text/ Audio/ Video/ YouTube/ YouTube Live streaming/ Document/ Template broadcasting.
- Schedule broadcasts and send interrupt messages when needed.
- Allow managing group messaging by adding or removing users from specific groups.
- Access device reports to view the message history from a particular device.
- Group recipients intelligently based on classes or attributes which enabling simultaneous messaging to multiple recipients.

X-Sign Broadcast



Eyesafe 3.0



UL Eyesafe® 3.0 certified IFP with RPF 60 above and CPF 50 above.

Minimizing the potential impact of displays on eye health and sleep—while still delivering vivid color.

Unique hardware low blue light technology, Flicker-Free and Anti-Glare provide maximum eye care protection.

Germ-resistant



Germ resistance with SIAA and TUV Rheinland certified.

Multilayer coating of the non-toxic, enduring nano ionic silver agent that kills most germs accumulating on screen surfaces and prevent cross-infection or epidemic in classrooms.

The ionic silvers antimicrobial feature remains effective even after through cleaning or long periods of use.

Screen/ Keypad/ Stylus/ Front input/ Remote controller all equipped by germ resistance coating.

Air Quality Analytics



Equipped with dedicated sensors that monitor air quality in classrooms.

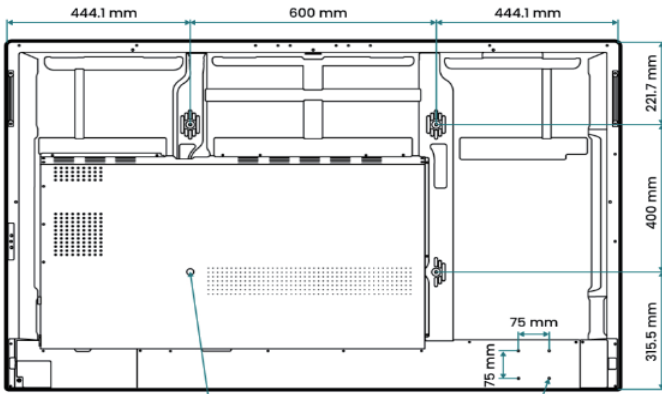
Provide real-time data on key environmental parameters by detecting PM2.5/ PM10/ CO2/ TVOC/ CH2O.

Built in Air ionizer for presenter protection.

Dashboard for different classroom to provide analysis and suggestion for further improvement.

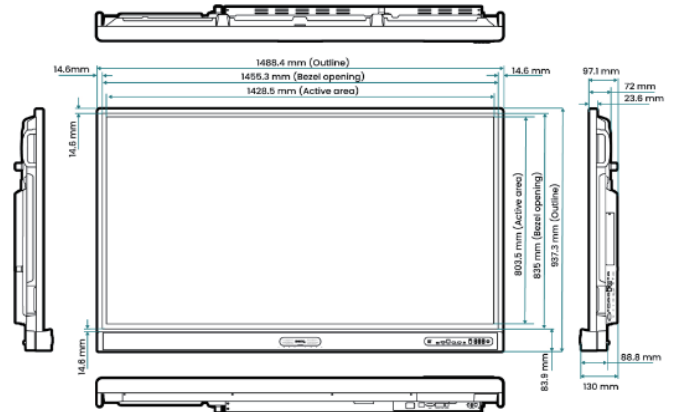
Specification

RP6505

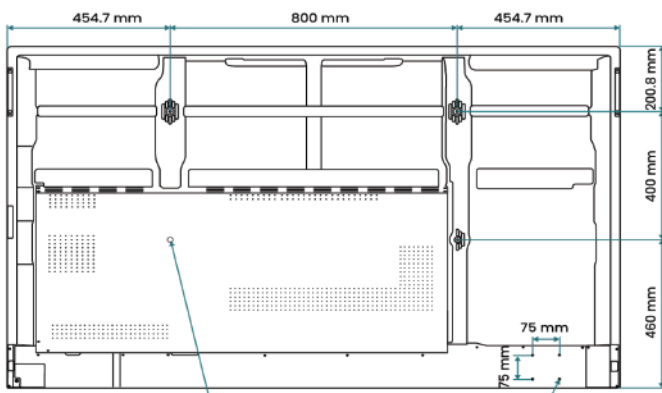


Screw thread depth: 4-M8×25 mm

Screw thread depth: 4-M3×6 mm

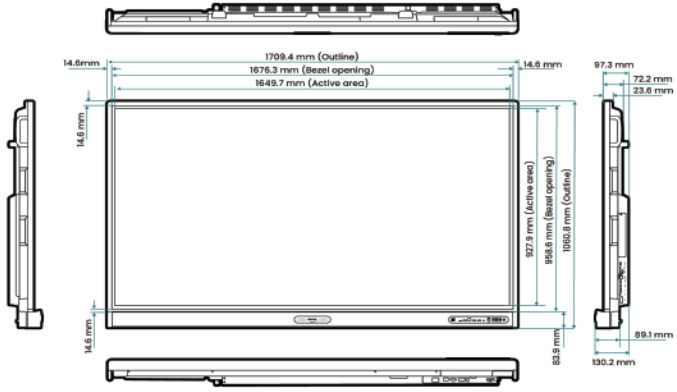


RP7605

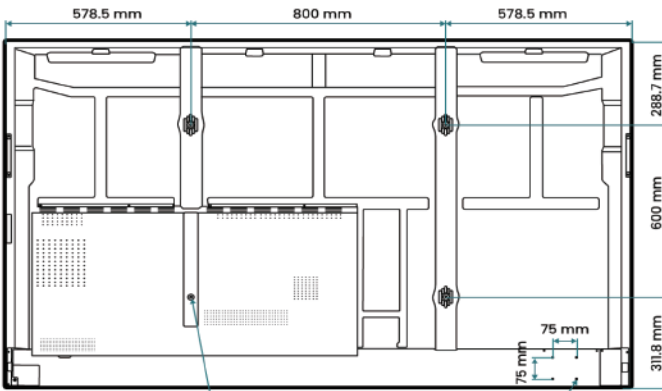


Screw thread depth: 4-M8×25 mm

Screw thread depth: 4-M3×6 mm

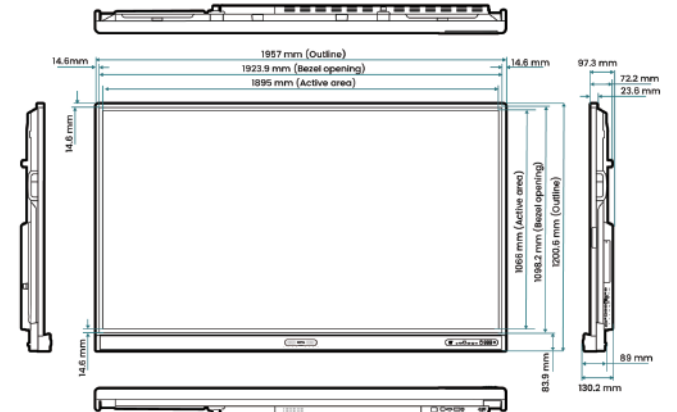


RP8605



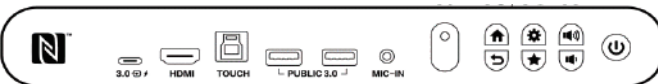
Screw thread depth: 4-M8×25 mm

Screw thread depth: 4-M3×6 mm

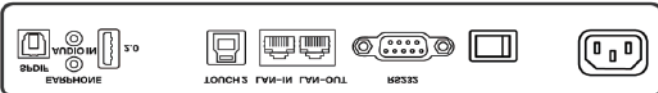


Input | Output terminals

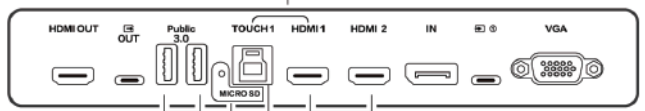
Front:



Down:



Side:



	RP6505	RP7505	RP8605
Panel			
Screen Diagonal	65"	75"	86"
Backlight	DLED	DLED	DLED
Resolution	3840 x 2160	3840 x 2160	3840 x 2160
Aspect Ratio	16 : 9	16 : 9	16 : 9
Brightness (typical) w/o glass	450nits	450nits	450nits
Contrast Ratio	1500:1	1200:1	1200:1
Dynamic Contrast Ratio	50,000:1	50,000:1	50,000:1
Viewing Angle	178 degree (H) / 178 degree (V)	178 degree (H) / 178 degree (V)	178 degree (H) / 178 degree (V)
Color gamut (x% NTSC)	72%	72%	72%
Frame Rate	60Hz	60Hz	60Hz
Response Time	8ms	8ms	8ms
Panel bit	10-bit	10-bit	10-bit
Light life	50,000hrs	50,000hrs	50,000hrs
Orientation	Landscape	Landscape	Landscape
Platform System			
CPU	A78 (2.6G) x 2 + A55(2.0G) 8 core, 6nm processor (made in Taiwan)	A78 (2.6G) x 2 + A55(2.0G) 8 core, 6nm processor (made in Taiwan)	A78 (2.6G) x 2 + A55(2.0G) 8 core, 6nm processor (made in Taiwan)
NPU	10 TOPS	10 TOPS	10 TOPS
Memory Storage	16GB 256GB (ROM extendable to 1TB by SD card)	16GB 256GB (ROM extendable to 1TB by SD card)	16GB 256GB (ROM extendable to 1TB by SD card)
OS with Google GMS	Android 15.0 with Google GMS integration	Android 15.0 with Google GMS integration	Android 15.0 with Google GMS integration
Google EDLA	EDLA and Google Tier 2 security certified https://storage.googleapis.com/play_public/supported_devices.html	EDLA and Google Tier 2 security certified https://storage.googleapis.com/play_public/supported_devices.html	EDLA and Google Tier 2 security certified https://storage.googleapis.com/play_public/supported_devices.html
Touch solution			
Touch tech.	IR	IR	IR
Number of touches	Up to 50 points touch for Windows; up to 50 points touch for Android	Up to 50 points touch for Windows; up to 50 points touch for Android	Up to 50 points touch for Windows; up to 50 points touch for Android
Touch interface	Type B USB x 3	Type B USB x 3	Type B USB x 3
Resolution	32767 x 32767	32767 x 32767	32767 x 32767
Cover glass			
Thickness	Tempered, 3.2 mm	Tempered, 3.2 mm	Tempered, 3.2 mm
Hardness	9H	9H	9H
Speaker			
Built-in speaker	Built-in speakers 25W (max) x 2 + subwoofer 20W x 1	Built-in speakers 25W (max) x 2 + subwoofer 20W x 1	Built-in speakers 25W (max) x 2 + subwoofer 20W x 1
Connectivity			
Power (AC) Inlet	x 1	x 1	x 1
VGA + PC audio in	x 1	x 1	x 1
HDMI (Input Output)	x 3 (2.0 x 3) x1 (2.0 x 1)	x 3 (2.0 x 3) x1 (2.0 x 1)	x 3 (2.0 x 3) x1 (2.0 x 1)
DP	x 1 (1.2a x 1)	x 1 (1.2a x 1)	x 1 (1.2a x 1)
USB Type A	x 7 (USB 3.0 x 4 + USB 2.0 x 3)	x 7 (USB 3.0 x 4 + USB 2.0 x 3)	x 7 (USB 3.0 x 4 + USB 2.0 x 3)
USB Type C (Input Output)	Input x 2 : 1 x 3.0 (5Gbps data transfer / video / audio / touch / 100W power charging) 1 x 2.0 (480Mbps data transfer) Output x 1 : (480Mbps data transfer/ video out / audio out / touch)	Input x 2 : 1 x 3.0 (5Gbps data transfer / video / audio / touch / 100W power charging) 1 x 2.0 (480Mbps data transfer) Output x 1 : (480Mbps data transfer/ video out / audio out / touch)	Input x 2 : 1 x 3.0 (5Gbps data transfer / video / audio / touch / 100W power charging) 1 x 2.0 (480Mbps data transfer) Output x 1 : (480Mbps data transfer/ video out / audio out / touch)
Mic in (3.5mm)	x 1	x 1	x 1
RS232	x 1	x 1	x 1
Earphone (3.5 mm)	x 1	x 1	x 1
SPDIF (optical)	x 1	x 1	x 1
Array Microphone	x 8 (Max. pickup range: 12m)	x 8 (Max. pickup range: 12m)	x 8 (Max. pickup range: 12m)
NFC Sensor	x 1	x 1	x 1
Air Ionizer	x 1	x 1	x 1
Air Quality Sensor	x 1	x 1	x 1
Light Sensor	x 1	x 1	x 1
IR receiver	x 1	x 1	x 1
OPS Slot	x 1	x 1	x 1
LAN IN/OUT	x 2 (x 1 in (1000M) / x 1 out (1000M))	x 2 (x 1 in (1000M) / x 1 out (1000M))	x 2 (x 1 in (1000M) / x 1 out (1000M))
Wi-Fi 6 and Bluetooth 5.2	Built-in	Built-in	Built-in
Mechanical			
Dimension (WxHxD)(Without Packing)	1488.4 x 937.3 x 130.0 mm	1709.4 x 1060.8 x 97.3 mm	1957 x 1200.6 x 97.3 mm
Power			
Power supply	AC 100 to 240V, 50 to 60 Hz	AC 100 to 240V, 50 to 60 Hz	AC 100 to 240V, 50 to 60 Hz
Power consumption (typical)	420W	420 W	420W
OSD			
On-Screen Display Languages	English / French / German / Dutch / Polish / Russian / Czech / Danish / Swedish / Italian / Romanian / Finnish / Norwegian / Greek / Hungarian / Spanish / Portuguese / Traditional Chinese / Simplified Chinese / Arabic / Japanese / Thai / Persian / Vietnamese / Korean / Turkish / Indonesian / Hebrew / Catalan (29L)	English / French / German / Dutch / Polish / Russian / Czech / Danish / Swedish / Italian / Romanian / Finnish / Norwegian / Greek / Hungarian / Spanish / Portuguese / Traditional Chinese / Simplified Chinese / Arabic / Japanese / Thai / Persian / Vietnamese / Korean / Turkish / Indonesian / Hebrew / Catalan (29L)	English / French / German / Dutch / Polish / Russian / Czech / Danish / Swedish / Italian / Romanian / Finnish / Norwegian / Greek / Hungarian / Spanish / Portuguese / Traditional Chinese / Simplified Chinese / Arabic / Japanese / Thai / Persian / Vietnamese / Korean / Turkish / Indonesian / Hebrew / Catalan (29L)
Accessories			
Remote Control	x 1 (TRY01)	x 1 (TRY01)	x 1 (TRY01)
Power Cord (by region)	By Region	By Region	By Region
Touch pen	x 2 (PT01GN)	x 2 (PT01GN)	x 2 (PT01GN)
Quick Start Guide	x 1	x 1	x 1
Regulation Sheet	x 1	x 1	x 1
Touch USB Cable	x 1	x 1	x 1
HDMI cable	x 1	x 1	x 1
Type C Cable	x 1	x 1	x 1
Wall mount	x 1	x 1	x 1
Feature			
X-Sign Broadcast (Cloud based)	Lifetime free Content delivery to panel with cloud schedule (Text/Video/Picture/YouTube/YouTube Live/Microsoft document/Template)		
Device Management System (Cloud based)	Control device/ Firmware upgrade/ Patch software installation & uninstall/ Remote scheduling		
Account Management System (Cloud based)	Support NFC login (Single Sign On) with database of LDAP, Azure AD, Google Workspace, ClassLink , or other SAML based identity providers		
BenQ EZrite 6.0	Android/ Window/ MacOS/ Chrome OS/ Web-base		
BenQ InstaShare 2	Smart split mirroring/ Floating window mirroring/ Moderator mode/		
Google Security Patch	Every 3 months		
AI Integration	Auto background remover/ Image style transfer/ Ezmath AI/ Google AI - OCR/ Text to speech/ Google Handwriting recognition and translation/ Google Assistance		

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Dealer's Stamp



Because it matters