

GALAXY AI



Bringing AI to every Classroom

YOUR ASSURANCE OF QUALITY



WIRELESS
SCREEN
SHARE



GOOGLE
EDLA
CERTIFICATION



4K
ULTRA HD
DISPLAY



DEVICE
MANAGEMENT
SYSTEM

Bringing AI to every Classroom



GOOGLE READY CLASSROOMS

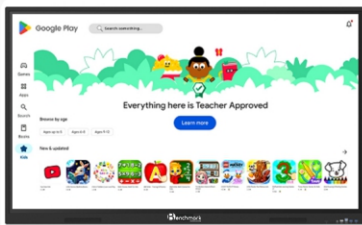
3840 X 2160
DISPLAY

450 NITS
BRIGHTNESS

5000:1
CONTRAST
RATIO

FEATURES

Pre-approved for Google's education ecosystem with seamless updates, built-in security, and flawless app integration.



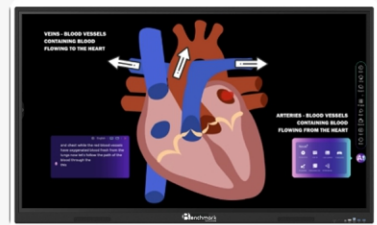
Google EDLA

The IFPD features Google EDLA-certified Android 14, ensuring a secure and efficient operating system tailored for educational and professional use.



Circle It. Know It

A simple on-screen circle intelligently brings up relevant visual insights, helping you instantly understand and explore the content on your screen. Designed for intuitive interaction, it enhances your learning experience by making information more accessible, without disrupting your workflow.



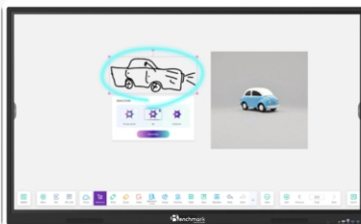
Live Subtitles

Effortlessly generate live subtitles in multiple languages with automatic video breakdowns. Gain clear, real-time understanding for any content.



Video Pilot

Generate real-time subtitles in multiple languages as you watch. With automatic video segmentation and smart summaries, understanding global content becomes effortless and efficient.



From Doodle to Detail

With just one tap, the AI Painter transforms your rough doodles into rich, lifelike artwork. Whether it's a quick sketch or a simple outline, the intelligent engine adds depth, texture, and detail, bringing your imagination to life with professional-grade precision.



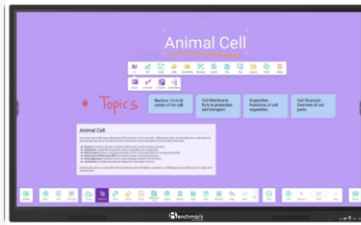
Ask AI

Simply write your question in the Ask box, whether it's about a word, image, or concept on your screen and get instant, intelligent answers. It's your assistant for quick understanding and deeper learning, right when you need it.



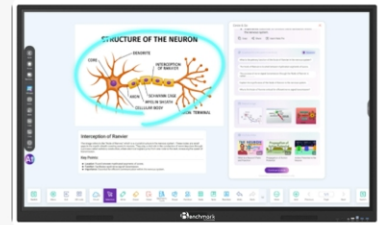
Smart Mapping with AI

AI-powered Smart Mapping instantly organizes key ideas, concepts, and connections into intuitive visual maps. Whether you're brainstorming, revising, or teaching, it helps you understand complex information more clearly and retain it more effectively



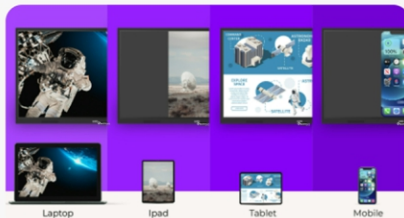
AI Topics

AI Topics automatically identifies and organizes core ideas from your handwritten or digital content. It transforms scattered notes into structured themes, helping you focus on what matters and sparking meaningful discussions or deeper exploration



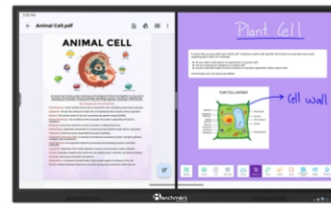
Smart Test Builder

Powered by Neo AI, it intelligently analyzes your handwritten notes, lessons, or on-screen content to generate a variety of question formats—including fill-in-the-blanks, multiple choice, short answer, and more. Designed for educators, it simplifies assessment creation while ensuring relevance, accuracy, and adaptability to different learning needs



Collaborate Across 9 Screens Effortlessly

Easily connect and share content from up to 9 devices wirelessly. Compatible with Windows, macOS, Android, and iOS, it enables smooth, interactive collaboration in any classroom or meeting space



Dual Views with Double Productivity

Split-screen mode lets you run two applications simultaneously, perfect for multitasking. Write on the whiteboard while referencing documents, browsing content, or running presentations side-by-side

SOFTWARE



Android 14



Google Play
Services



Device
Management
System



Note Pro

HARDWARE

Next-Gen Touch Experience



40
TOUCH POINTS
20
SIMULTANEOUS
WRITING POINTS

Built-In Audio

DUAL
20W
SPEAKERS



HARDWARE

Front & Rear Connectivity Ports

Easily accessible front ports for quick connections, with full-range rear I/O for permanent setups designed for both convenience and flexibility



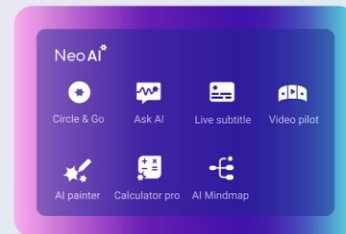
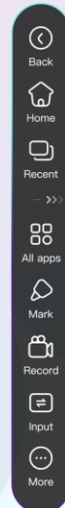
Picture-in-Picture (PIP)

View Android and Windows interfaces on a single screen simultaneously, enabling smooth multitasking and instant content access

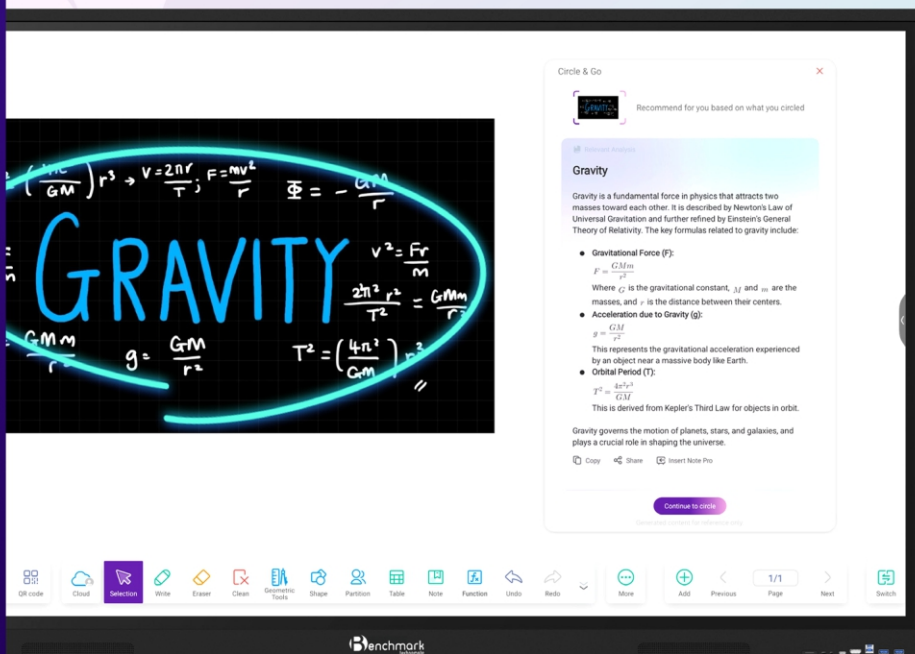


HARDWARE

INSTANT INSIGHTS WITH NeoAI



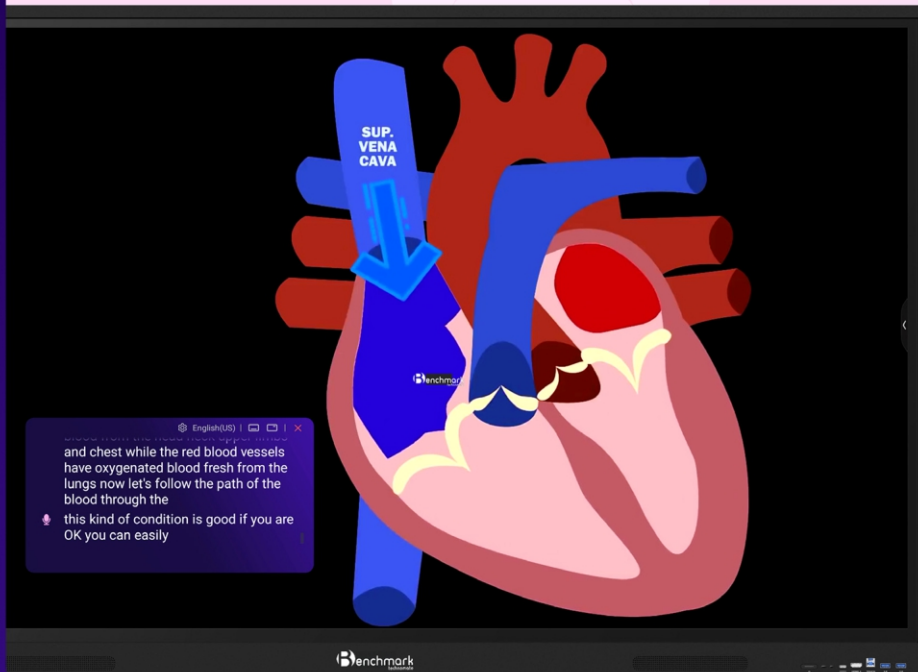
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HARDWARE

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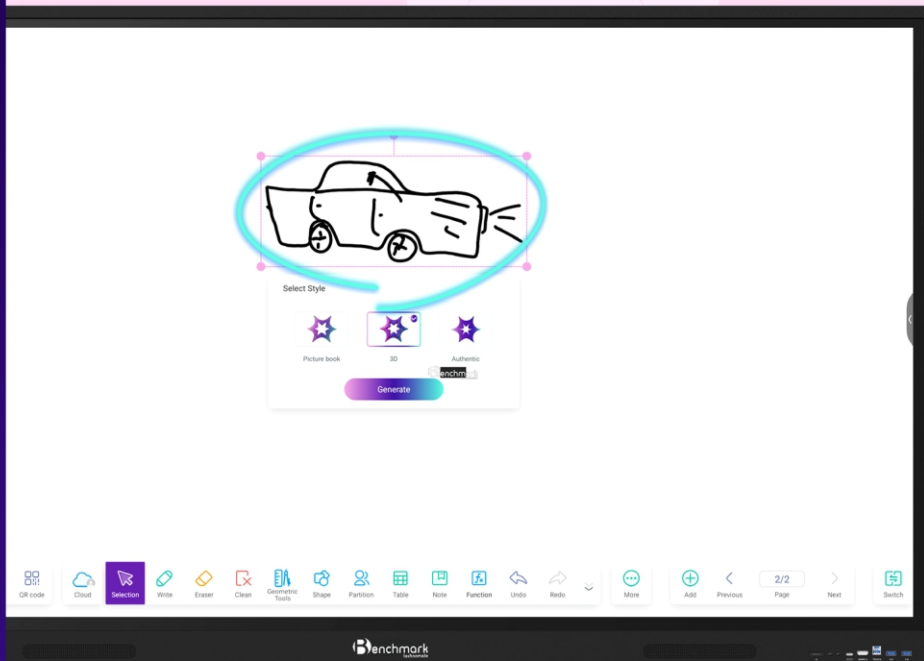
Video Pilot - Your Guide to Smarter Viewing



Generate real-time subtitles in multiple languages as you watch. With automatic video segmentation and smart summaries, understanding global content becomes effortless and efficient

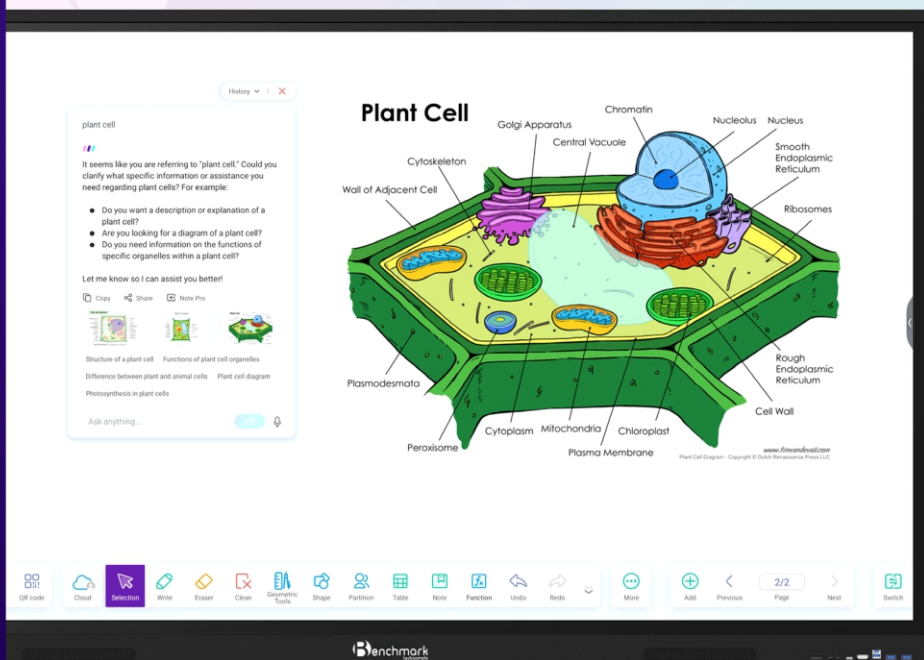
HARDWARE

From Doodle to Detail



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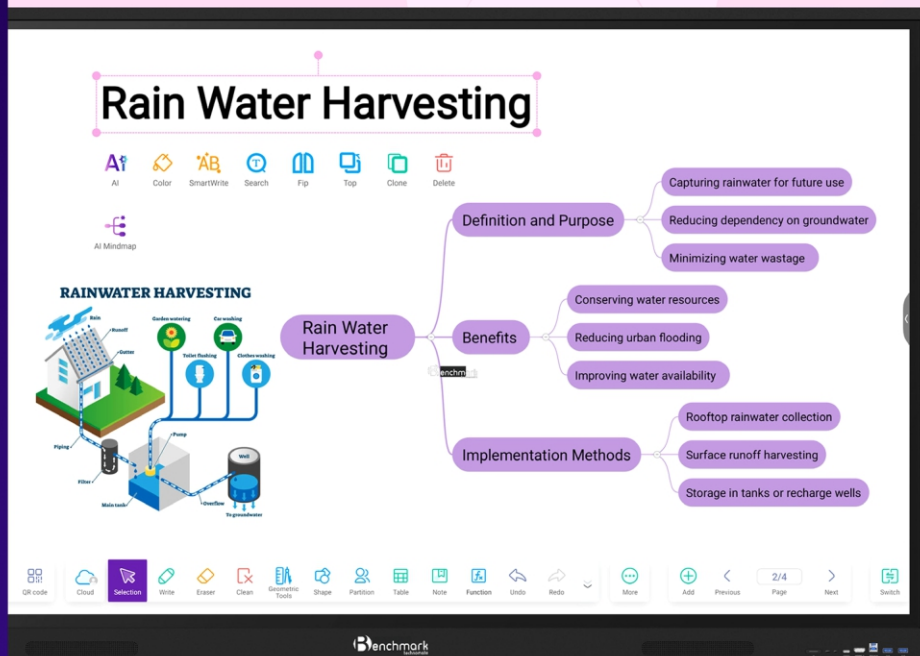
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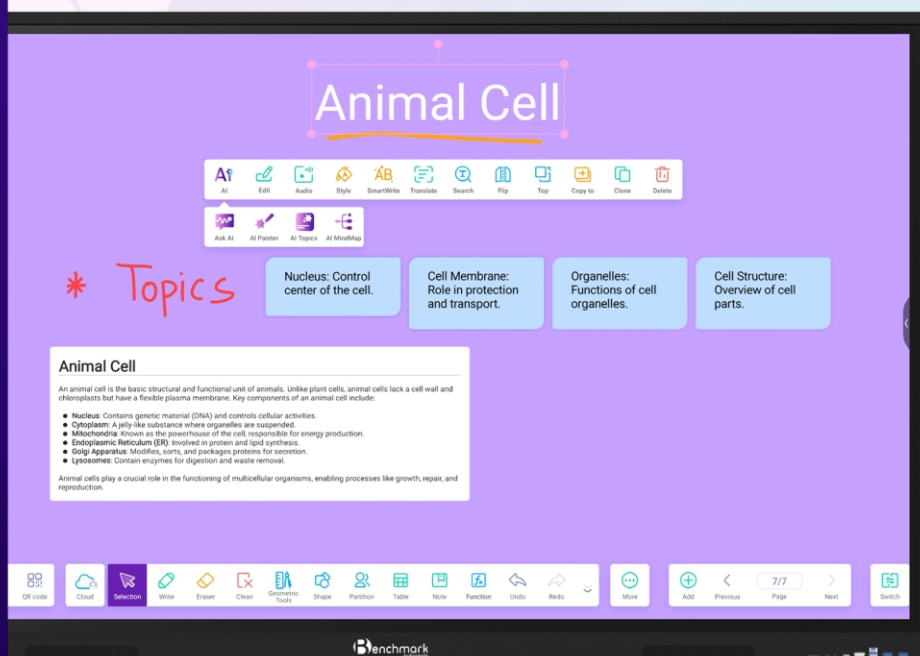
HARDWARE

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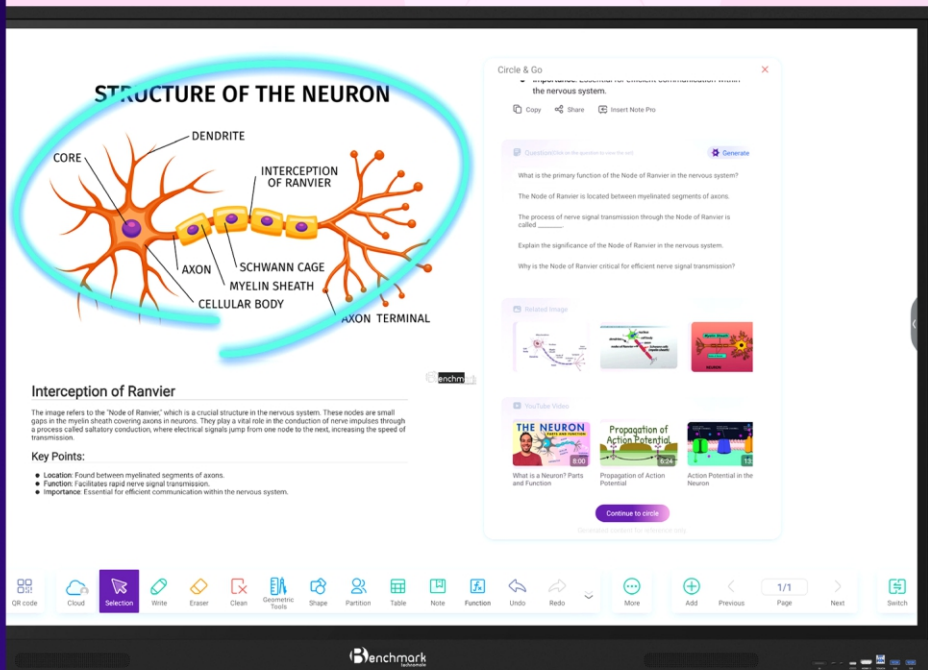
AI Topics



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HARDWARE

Smart Test Builder - Instant Quiz Creation



STRUCTURE OF THE NEURON

DENDRITE
CORE
INTERSECTION OF RANVIER
AXON
SCHWANN CAGE
MYELIN SHEATH
CELLULAR BODY
AXON TERMINAL

Interception of Ranvier

The image refers to the "Node of Ranvier", which is a crucial structure in the nervous system. These nodes are small gaps in the myelin sheath covering axons in neurons. They play a vital role in the conduction of nerve impulses through a process called saltatory conduction, where electrical signals jump from one node to the next, increasing the speed of transmission.

Key Points:

- Location: Found between myelinated segments of axons.
- Function: Facilitates rapid nerve signal transmission.
- Importance: Essential for efficient communication within the nervous system.

Circle & Go

the nervous system.

Copy Share Insert Note Pin

Generate

What is the primary function of the Node of Ranvier in the nervous system?

The Node of Ranvier is located between myelinated segments of axons.

The process of nerve signal transmission through the Node of Ranvier is called _____.

Explain the significance of the Node of Ranvier in the nervous system.

Why is the Node of Ranvier critical for efficient nerve signal transmission?

Related Image

YouTube Video

THE NEURON

What is a Neuron? Parts and Function

Propagation of Action Potential

Propagation of Action Potential

Action Potential in the Neuron

Continue to quiz

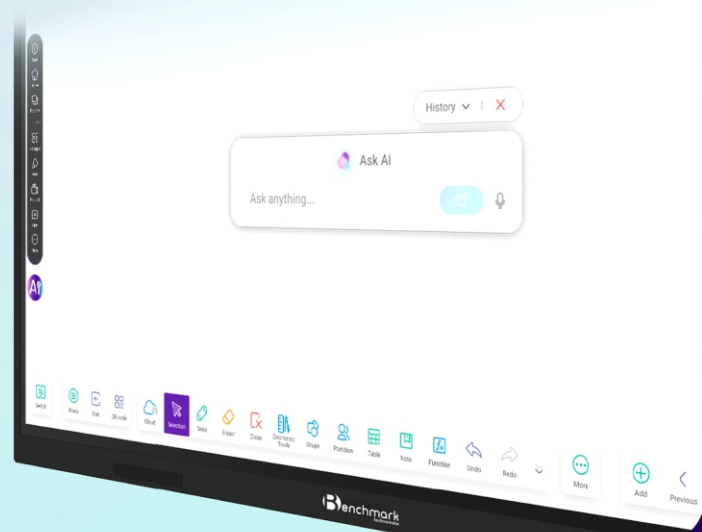
QR code Cloud Selection Write Eraser Clean Geometric Tools Shape Partition Table Note Function Undo Redo More Add Previous Page Next Switch

Benchmark

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Ask NeoAI – Smart Pen with Voice Commands **

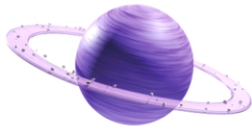
Use your Smart Pen to activate NeoAI with simple voice commands. Whether you're navigating apps, highlighting content, or asking for explanations, NeoAI responds instantly, making your teaching or learning experience smooth, interactive, and hands-free



KEY FEATURES

Note Pro:

YOUR IDEAS, LIMITLESS CANVAS

Advanced Search	Versatile Content Import	Subject-Specific Simulation Tools	Regional Language Compatibility
 Seamlessly explore images and videos with powerful search capabilities.	 Effortlessly import files such as PPT, PDF, audio, video, notebooks, and flipcharts to enhance learning sessions.	 Utilize tools designed for various subjects to enrich interactive teaching experiences.	 Support for multiple regional languages, ensuring inclusivity and accessibility.
Effortless Note-Taking	On-Board Geometric Tools	Text-to-Speech Integration	Translate Feature
 Easily capture and share notes through QR codes in both image and PDF formats, simplifying the process for students and educators alike.	 Access a variety of built-in geometric tools directly on the board for precise shapes, measurements, and diagrams.	 Enable on-board text-to-speech functionality to cater to diverse learning needs.	 Instantly translate content into multiple languages, making learning accessible to a diverse audience.
Gamified Quizzes Creation	Cloud Storage	Built-in 2D & 3D Shapes	NCERT e-Book Integration
 Design engaging quizzes with the activity tool to create interactive and fun learning experiences.	 Convenient cloud storage options for saving and accessing resources anytime, anywhere.	 Includes pre-built 2D and 3D shape libraries for dynamic content creation.	 Direct access to built-in NCERT e-books for seamless curriculum alignment.
GeoGebra Mathematics Tool	Molecular	Planet	150+ Additional Features
 Integrated dynamic mathematics tool for advanced mathematical learning and visualization.	 Interact with chemical structures to explore atoms, bonds, and geometry for clear, engaging chemistry lessons.	 Explore 3D models of planets with interactive visuals for an engaging space science experience.	 Explore a comprehensive suite of tools to enhance teaching and learning experiences.



SPECIFICATIONS

MODEL				
	Size	65 Inch	75 Inch	86 Inch
Display	Panel Type	VA	VA	IPS
	Back Light Unit	DLED	DLED	DLED
	Response Time	6.5ms	6.5ms	6.5ms
	Aspect Ratio	16:09	16:09	16:09
	Display Area(HxV)	1428.48(H)×803.52(V)mm	1650.24(H)×928.26(V)mm	1895.04(H)×1065.96(V)mm
	Pixel Pitch	0.372×0.372mm	0.42975×0.42975mm	0.4935×0.4935mm
	Resolution	3840x2160	3840x2160	3840x2160
	Refreshing Frequency	60Hz	60Hz	60Hz
	Display Color	1.07B	1.07B	1.07B
	Bit Rate	10 bit	10 bit	10 bit
	NTSC Gamut	72%	72%	72%
	Contrast Ratio	5000:1	5000:1	5000:1
	Viewing Angle	178°(H/V)	178°(H/V)	178°(H/V)
	Brightness with glass(min)	400 cd/m ²	400 cd/m ²	400 cd/m ²
	Brightness with glass(typ)	450 cd/m ²	450 cd/m ²	450 cd/m ²
Operating System	Life Time	≥50000 Hours	≥50000 Hours	≥50000 Hours
	System Version	Android 14.0	Android 14.0	Android 14.0
	RAM	8 GB	8 GB	8 GB
	ROM	128 GB	128 GB	128 GB
	CPU	Octa Core A72×4+A53×4	Octa Core A72×4+A53×4	Octa Core A72×4+A53×4
Touch System	GPU	Mali G52 MC3	Mali G52 MC3	Mali G52 MC3
	Sensing Type	Infrared recognition	Infrared recognition	Infrared recognition
	Touch Recognition	Passive stylus, Fingers	Passive stylus, Fingers	Passive stylus, Fingers
	Response Time	8ms	8ms	8ms
	Accuracy	±1.5mm	±1.5mm	±1.5mm
	Touch Point	40	40	40
	Writing Point	20	20	20
	Minimum object Size	3mm	3mm	3mm
Audio	Writing Height	≤2mm	≤2mm	≤2mm
	Supporting OS	Windows 11, 10, 8 & 7/Android/Linux/Mac OS X/Chrome		
	Audio Output	2	2	2
	Output Power	2×20W	2×20W	2×20W
Power	Sound Pressure level	85 dB	85 dB	85 dB
	Power Supply	100-240V~50/60Hz 3.5A	100-240V~50/60Hz 4.0A	100-240V~50/60Hz 4.0A
	Power Consumption (Typ/Max)	180W/335W	230W/385W	245W/400W
I/O Interface	Standby Power	≤0.5W	≤0.5W	≤0.5W
	HDMI IN	3 (Up to 4K@60Hz, ARC(HDMI 1), all HDMI ports support CEC)		
	HDMI OUT	1 (Up to 4K@60Hz)	1 (Up to 4K@60Hz)	1 (Up to 4K@60Hz)
	USB 2.0	1 (For system upgrades)	1 (For system upgrades)	1 (For system upgrades)
	USB Type-C IN	2 (Front: Up to PD 65W (PD 15W when OPS is plugged in); Onboard: PD 15W)		
	USB 3.0	4 (Front × 2, Rear × 2 All USB 3.0 can auto switch to current channel)		
	TOUCH 3.0	2 (Front × 1, Rear × 1)	2 (Front × 1, Rear × 1)	2 (Front × 1, Rear × 1)
	VGA IN	1 (Up to 1080P@60Hz)	1 (Up to 1080P@60Hz)	1 (Up to 1080P@60Hz)
	DP IN	1 (4K@60Hz)	1 (4K@60Hz)	1 (4K@60Hz)
	AUDIO IN	1 (3.5mm Jack: Support VGA Audio IN)		
	AUDIO OUT	1 (3.5mm Jack)	1 (3.5mm Jack)	1 (3.5mm Jack)
	SPDIF	1 (PCM output format)	1 (PCM output format)	1 (PCM output format)
	RS232	1 (Baud rate 9600)	1 (Baud rate 9600)	1 (Baud rate 9600)
	RJ45 IN	1 (10M/100M/1000Mbps)	1 (10M/100M/1000Mbps)	1 (10M/100M/1000Mbps)
	RJ45 OUT	1 (10M/100M/1000Mbps)	1 (10M/100M/1000Mbps)	1 (10M/100M/1000Mbps)
	TF Card	1 (TF card slot)	1 (TF card slot)	1 (TF card slot)
	Wi-Fi 6	802.11 b/g/n/ac/ax (2.4GHz/5GHz)	802.11 b/g/n/ac/ax (2.4GHz/5GHz)	802.11 b/g/n/ac/ax (2.4GHz/5GHz)
	Bluetooth	5.3	5.3	5.3
Physical Specifications	Product Dimension (L×H×D)	1491×898.5×98.8mm	1712×1022×99mm	1957×1159.9×97.1mm
	Package Dimension (L×W×H)	1628×185×1014mm	1863×225×1148mm	2110×225×1283mm
	VESA	600×400mm	800×400mm	800×600mm
	Thickness of Display and wall mount	128.8mm	129mm	127.1mm
	Net Weight	32.05kg	42kg	51.5kg
	Gross Weight	40.95kg	55kg	68kg
Accessories	Power Cord	1	1	1
	HDMI Cable	1	1	1
	USB Touch Cable (Type A-B)	1	1	1
	Remote Control	1	1	1
	Wall Mount Bracket	1	1	1
	Writing Pen/Stylus	1 Pair	1 Pair	1 Pair
	Wireless Module	1	1	1
Environmental Conditions	Operation Temperature	0°C- 40°C	0°C- 40°C	0°C- 40°C
	Operation Humidity	10% - 90%RH	10% - 90%RH	10% - 90%RH
	Storage Temperature	-20°C- 60°C	-20°C- 60°C	-20°C- 60°C
	Storage Humidity	10% - 90%RH	10% - 90%RH	10% - 90%RH
	Altitude	Upto 5000 meters	Upto 5000 meters	Upto 5000 meters
Optional PC Module	PC Module	OPS	OPS	OPS
Certification		BIS, ROHS, CE, FCC		



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Call Our Sales Team : **8527926648**

Email Us : support@benchmarktechnomate.in

OUR BRANCHES

NOIDA

PATNA

LUCKNOW

PUNE

AHMEDABAD

RANCHI

INDORE

JAUNPUR

BHAGALPUR

KOLKATA

MUZAFFARPUR

VARANASI