



EyeRIS A20

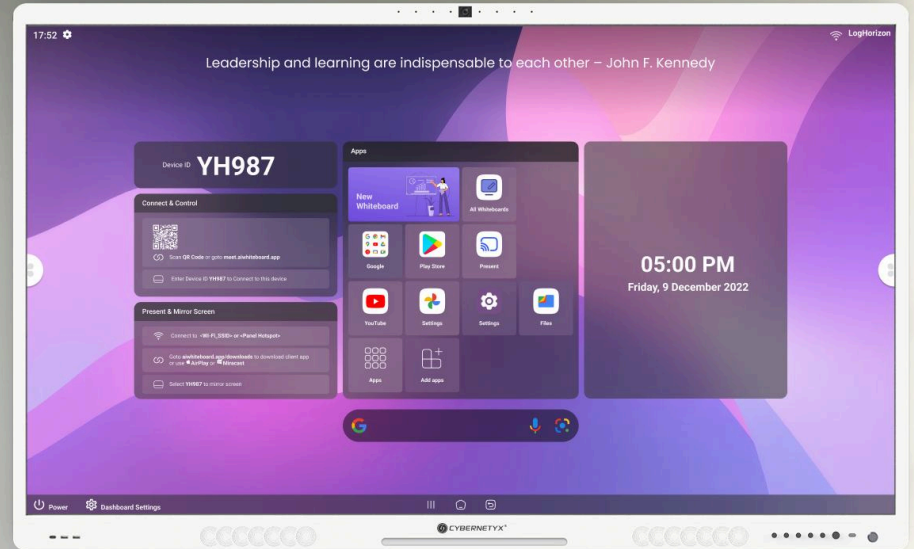
Industry's First **EDLA**

Certified AI DigitalBoard

Designed & Developed In India



www.cybernetyx.com



A decade of leadership

Cybernetyx is a global pioneer in **AI-powered devices and applications**. Our award-winning solutions today reach over 15 million users across 80+ countries.

With a proven legacy of implementing digital board technology in more than 300,000 classrooms across India, we proudly hold the **industry's highest market share in the digital board sales** historically in the country.

As education transitions toward a future-ready paradigm, we deliver AI-driven solutions that seamlessly integrate traditional teaching with modern learning environments. Beyond education, our portfolio extends to enterprise and consumer segments. **Our vision is to revolutionise the way people work, learn and live by harnessing the power of intelligence.**

Our Reach

With over a decade of experience in empowering people through AI technology, our reach has been extraordinary, fueled by our innovative and diverse product portfolio.

Global **No. 1** PIWB of the Decade*

\$200M+ OEM Sales Powered

300,000+ Deployments

15M+ Users



Indian Institute of Technology, Delhi



Awards & Recognition

Our products are globally acclaimed for their innovation, earning prestigious awards that highlight our commitment to excellence.



OEM Partnerships

As a trusted technology provider for leading global brands, our core business goes beyond products—if you're using their devices, you're already powered by Cybernetyx.

NEC

SONY

ViewSonic

P Pearson

Educomp smartclass™

ANKER

SCHOLNET



TATA

CASIO

DELTA



THE DOON SCHOOL

Vidya Pratishthan
Where education is a way of life...



An Advanced AI Digital Board Designed to Transform the Teaching Experience.



Powered by a high-performance octa-core processor.



Patented Optical Touch Technology for superior real-time writing experience.



Infinite Canvas: Add unlimited content to support dynamic teaching sessions.

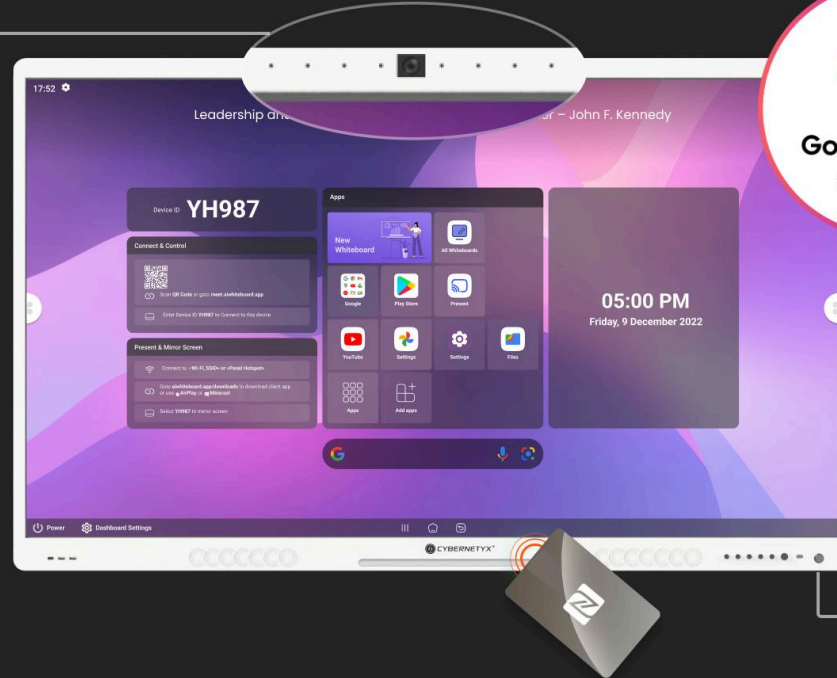


Edge AI Capabilities: Works seamlessly without an internet connection.



BrightClass AI Suite: Includes AI Whiteboard, content creation tools, quiz widgets, and classroom management features.

Built in 4K Camera and 8-array Mic



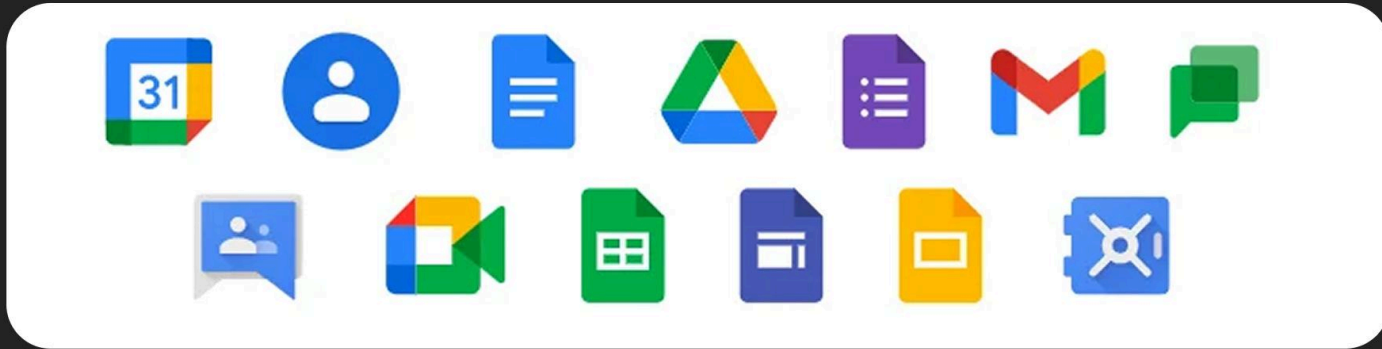
*Fingerprint Sensor**

Google Workspace



Full Access to Google Play store and Native Applications

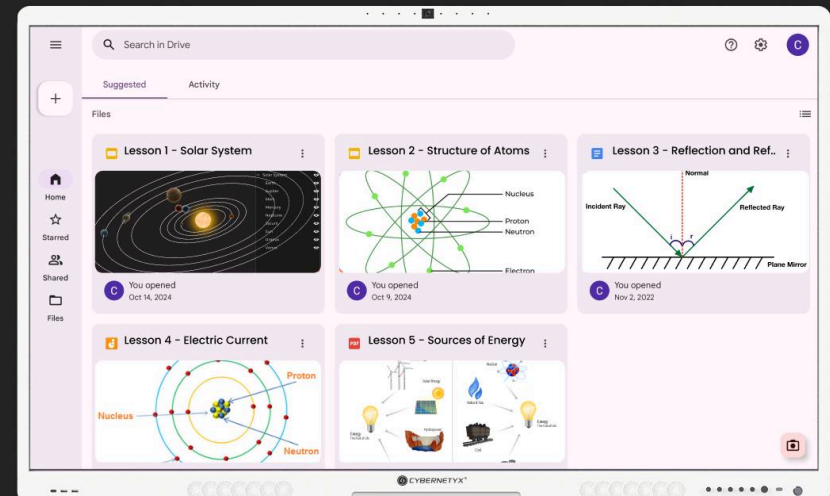
The EDLA-certified EyeRIS A20 delivers an exceptional classroom experience by seamlessly integrating advanced EyeRIS A20 hardware and software with official Google education services.




Access your Files Directly



Google Drive integration lets you access and save files to your cloud storage directly from the board.





The American-Designed Edge: Superior Amlogic Processing Power Inside

 **mlogic**
A311D2

Instant Responsiveness, Effortless Collaboration

Launch apps 30–40% faster and multitask seamlessly. Enable lag-free collaboration (40+ touch points), saving valuable class time and keeping students fully engaged.

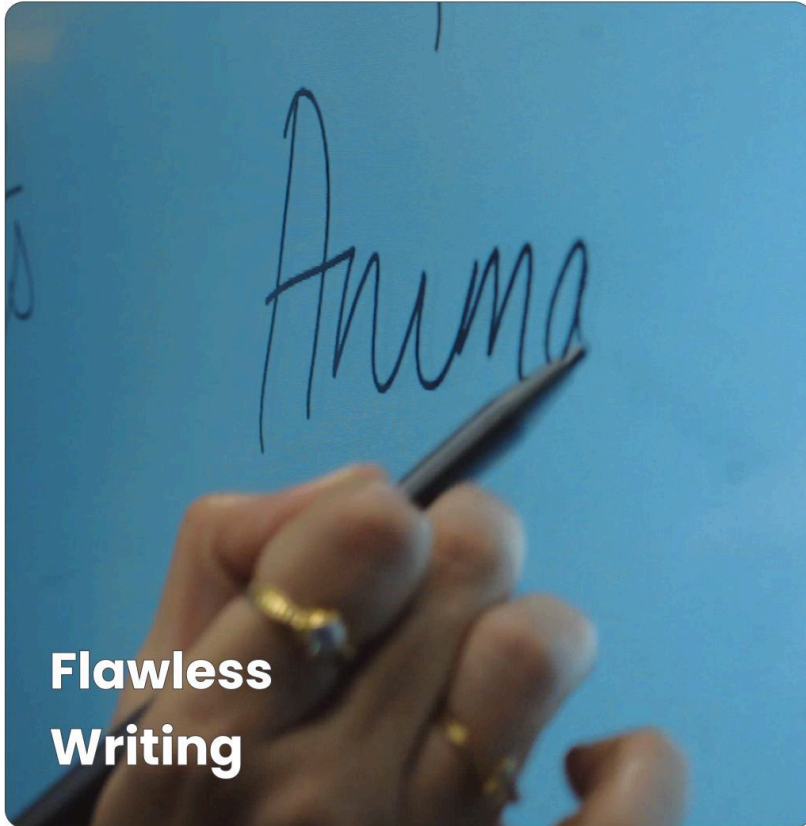
Dedicated AI Powerhouse for Smarter Teaching

Unlock powerful, real-time AI features with a dedicated 5.0 TOPS NPU (66% more power). Enjoy instant handwriting recognition (higher accuracy), superior voice control, and smarter teaching assistance.

Built for Longevity, Lower Total Cost

Benefit from greater reliability and double the expected lifespan thanks to the cooler, efficient 12nm American-designed chip. Also, significantly lower total ownership costs.

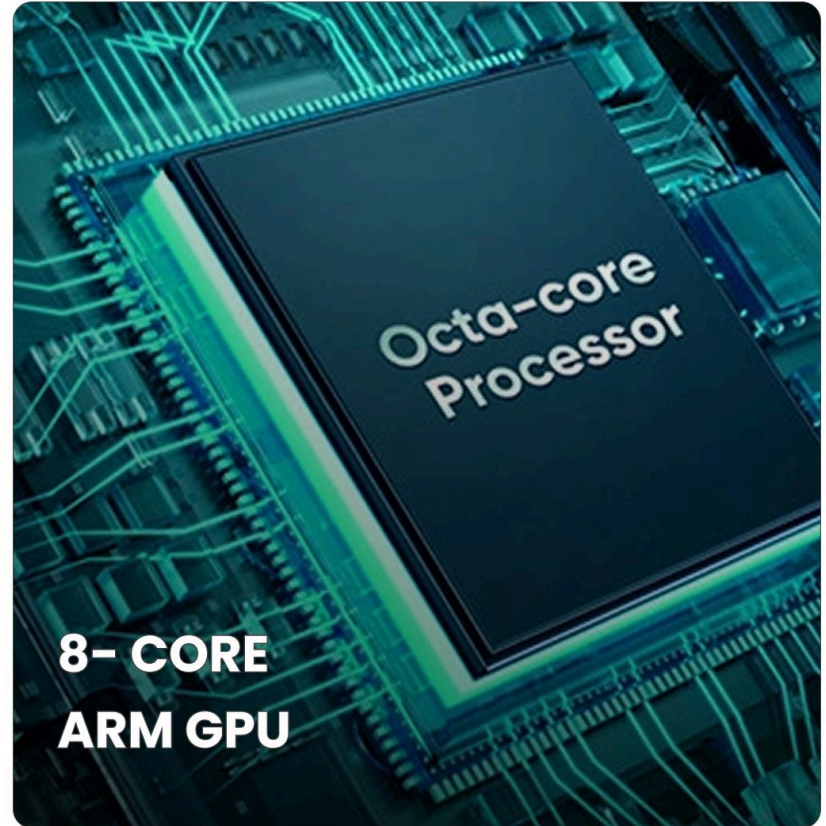
Hardware Features



**Flawless
Writing**

Silky Smooth Writing Experience

The EyeRIS A20 digital board has the most advanced Optical Touch technology to deliver a zero lag and jitter free ultra smooth writing experience.



**8-CORE
ARM GPU**

Power up Teaching with a Powerful Processor

The EyeRIS AI digital board has the most advanced Optical Touch technology to deliver a zero lag and jitter free ultra smooth writing experience.

20W

Dual speakers
with boosted
audio



Stereo Sound Output

Two front-facing 20 W speakers merged into the panel provide a super-rich, boosted audio experience in broader classrooms.

Digital Board with Extra Brightness

A 4K ultra-HD display on an interactive flat panel can offer more detailed images, even in brightly-lit classrooms.

4K UHD

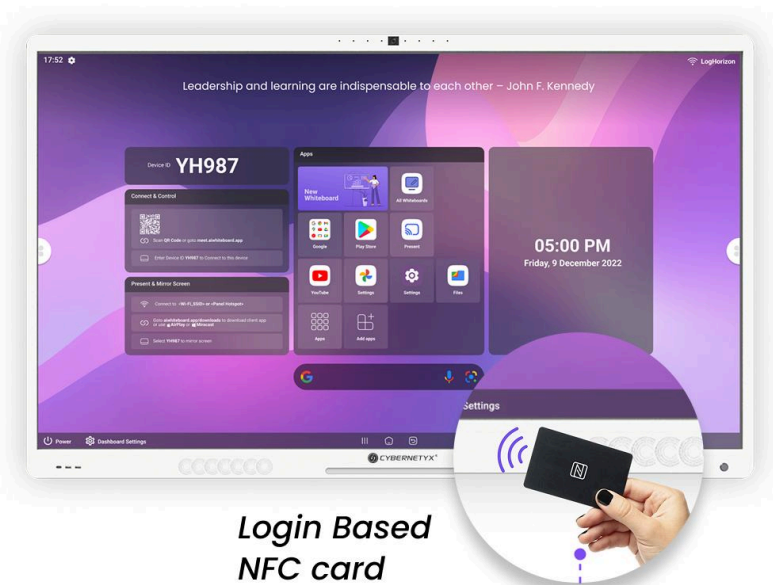
A+ Panel with **450** nits
brightness



Secure Login

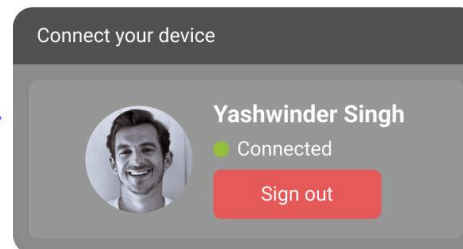
NFC Login

Tap and go! Instantly access your Eyeris Interactive Panel with secure NFC login



Biometric Login

Log in with a touch — fast, secure, and personalized access using biometrics on Eyeris.



Built in AI camera and Mics



4K Camera

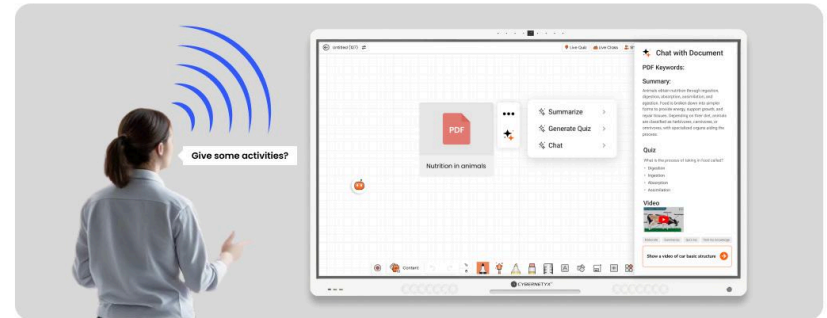


8-array Mic



AI-Powered Student Response System

Students can respond in real time using printed cards, and the AI camera instantly detects their choices, providing immediate feedback on the digital board.

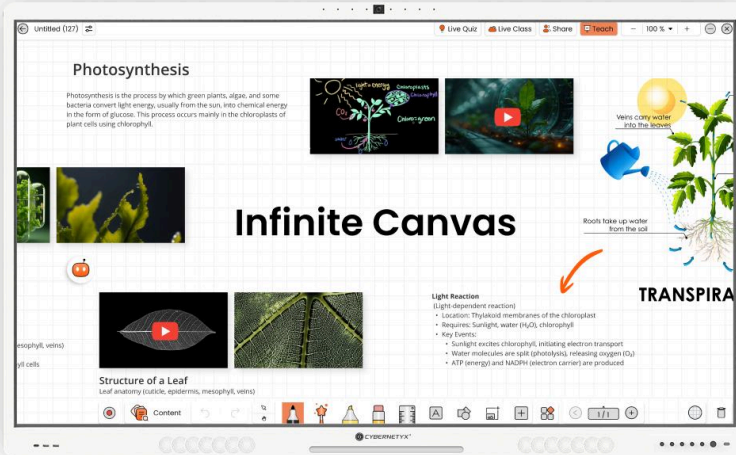


Chat & Voice-Based AI Assistance

The built-in AI assistant enables teachers to control the panel using voice commands, making it easier to launch lessons, get further info, and start quizzes. It also provides real-time suggestions and automated note-taking, ensuring a smoother and more interactive teaching experience.

Advanced Whiteboard for teachers

Infinite whiteboards are powerful tools designed to enhance teaching and learning experiences. They offer an expansive canvas that allows teachers to add unlimited content and scroll seamlessly to any part of the board as needed. This flexibility is particularly beneficial for educators who need to cover extensive material or engage in dynamic, interactive lessons.

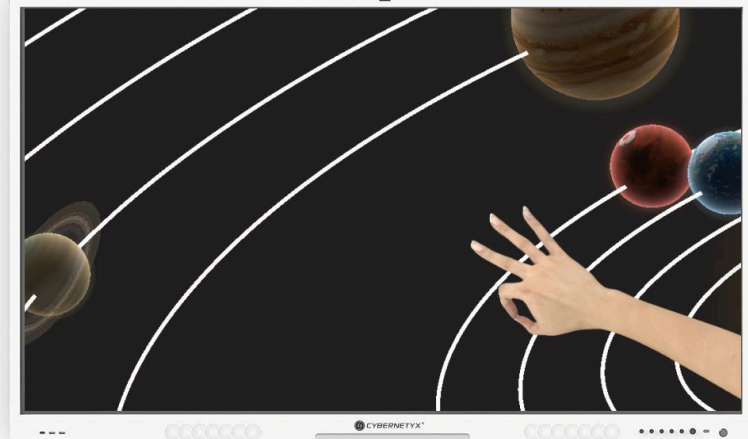


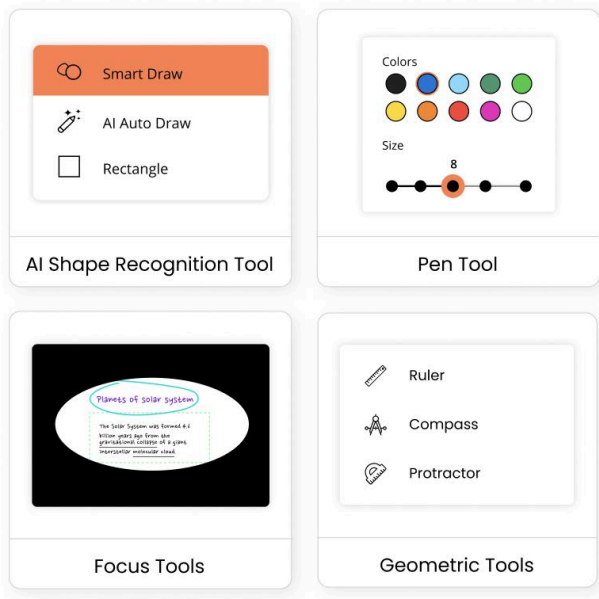
Unlimited Content Addition Endless Space:

Teachers can add as much content as needed without worrying about running out of space.

Seamless Pan and Zoom:

Infinite whiteboards allow teachers to zoom in and out, and pan seamlessly across the canvas, making it easy to navigate through extensive content.



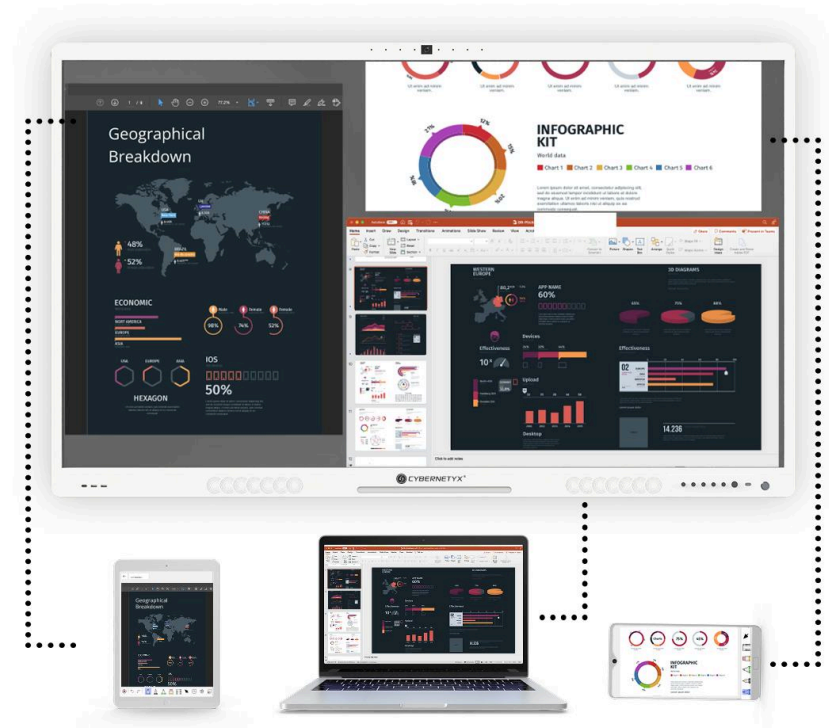


Versatile Drawing Tools:

From freehand sketches to geometric shapes, teachers can express their ideas with precision.

Multi-Device Support:

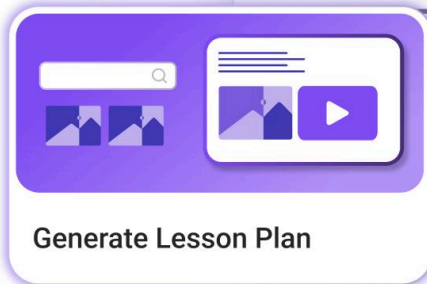
Accessible on computers, tablets, and smartphones, ensuring flexibility and convenience



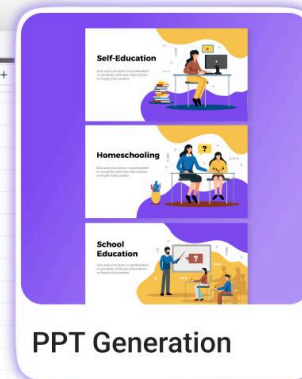
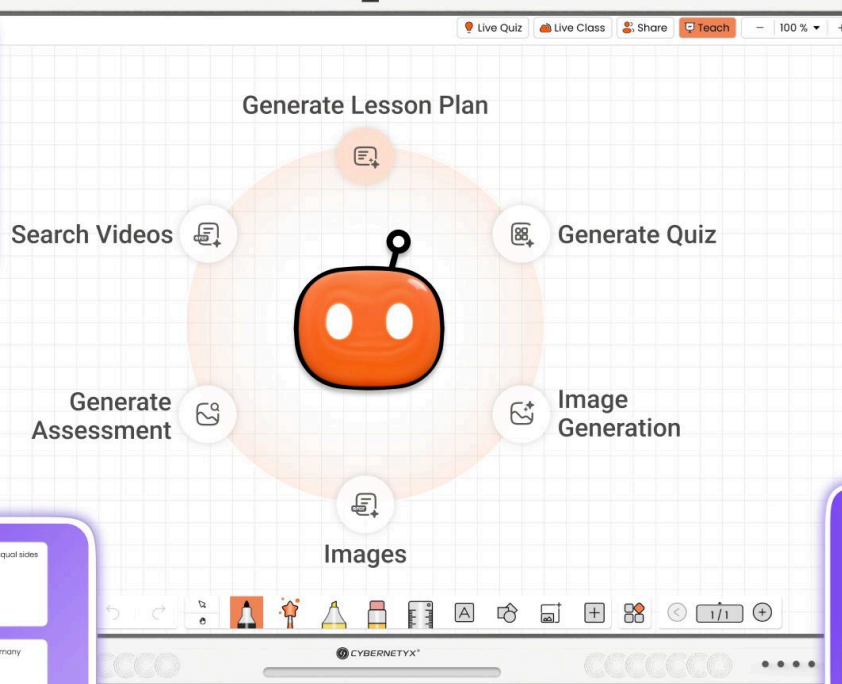


Powered by BrightAI:

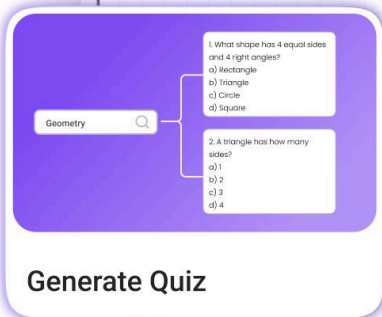
A custom built AI Agent for Teaching



Generate Lesson Plan



PPT Generation

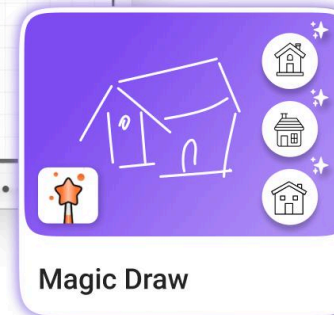


Geometry

1. What shape has 4 equal sides and 4 right angles?
a) Rectangle
b) Triangle
c) Circle
d) Square

2. A triangle has how many sides?
a) 1
b) 2
c) 3
d) 4

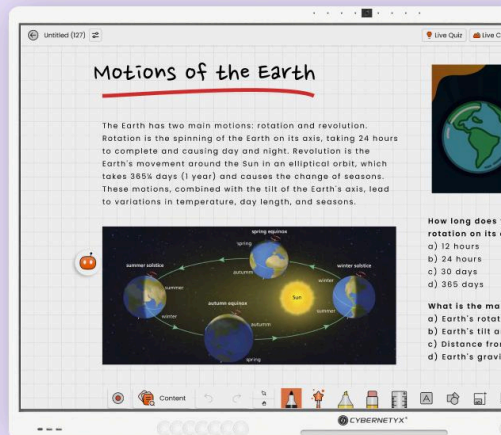
Generate Quiz



Magic Draw

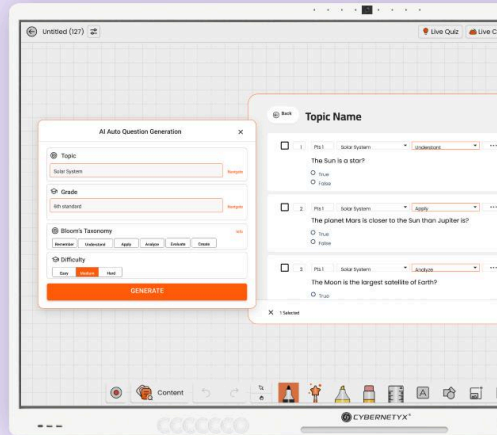
1 BrightClass AI Whiteboard Application

BrightClass, the AI-powered whiteboarding software integrated with EyeRIS AI boards, is transforming the way teachers educate and students learn. From effortless lesson creation to interactive assessments and 3D content, BrightClass empowers educators with tools to make teaching more effective and engaging.



AI Content creation

Content generated in the form of **text, image, video and quiz**.



Assessment Creation

Teachers can create assessments or quick quizzes on any topic using this tool. Adheres to Blooms taxonomy.

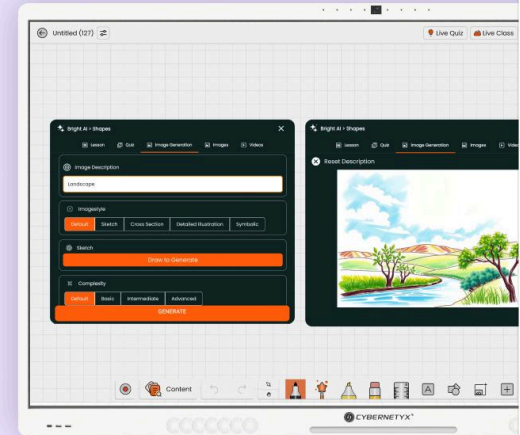
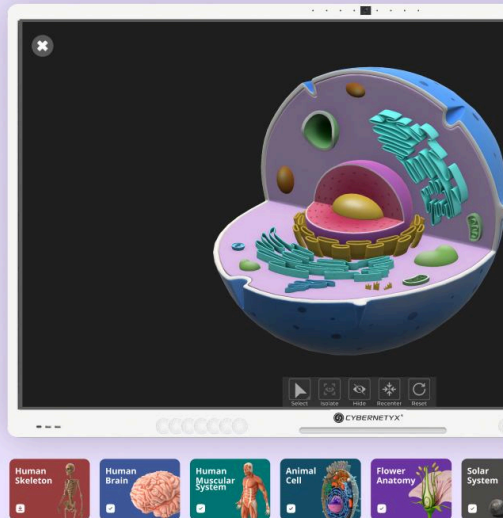


Image Generation

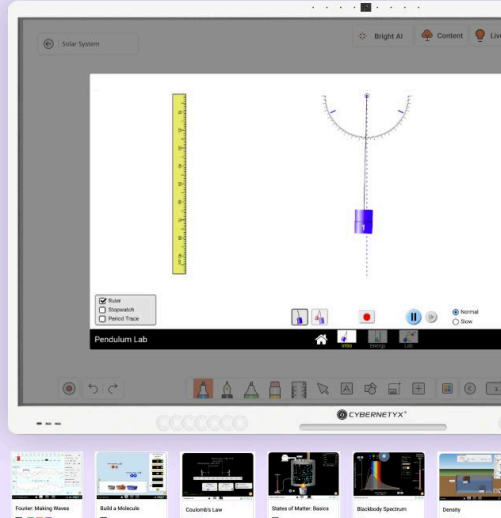
This tool assists teachers in visualising concepts and making lessons more engaging.

Bring concepts to life with BrightClass's cutting-edge 3D tools and simulations, designed to offer immersive and interactive learning experiences. From visualizing complex scientific processes to exploring historical landmarks or engineering structures, these tools provide an engaging way for students to grasp abstract concepts. In medical education, lifelike anatomical simulations allow for detailed study and practice, while in business schools, students can interact with virtual models of real-world scenarios. These 3D tools not only enhance understanding but also encourage critical thinking and problem-solving by enabling students to experiment in a virtual environment that mimics real-life conditions.



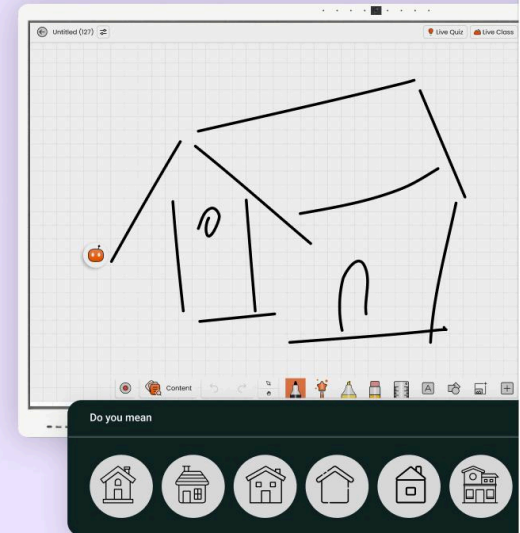
3D Tools

Interactive simulations and models visualizing complex concepts across science and math.



STEM Simulations

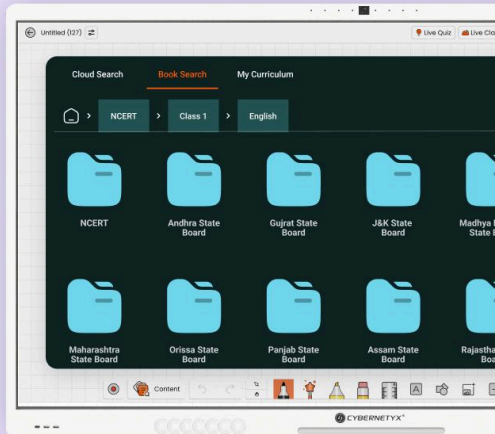
Teachers simulate experiments, saving resources and ensuring safety.



Magic Wand

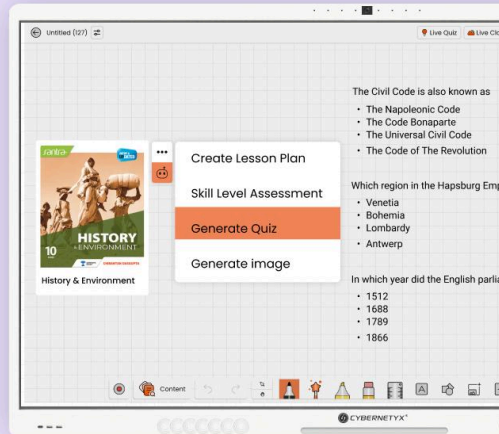
Magic Wand suggests perfect figures as educators sketch on digital whiteboards.

Provides access to curriculum based content in multiple formats like lessons, images, videos, flashcards, questions etc. The integrated AI-powered chat assistant enhances this experience by answering queries instantly, providing personalized guidance, and offering additional resources or practice questions based on a student's needs. Whether it's a last-minute question before an exam or a deeper dive into a topic, the AI assistant ensures that help is always available, making learning continuous, accessible, and truly teacher-centric.



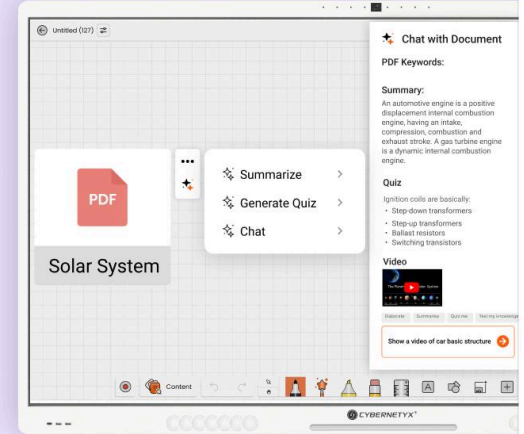
Content library

Preloaded, curriculum-aligned resources for seamless teaching.



AI Questions from Books

Instantly create questions from books for quick assessments.



AI Chat assistance

Smart support for teachers with instant answers and guidance.

2 Teacher Companion App

BrightClass application ensures that learning isn't confined to the classroom by providing round-the-clock access to content, fostering a culture of self-paced learning. Students can revisit lecture notes, access curated resources, or explore additional study materials from anywhere, anytime.



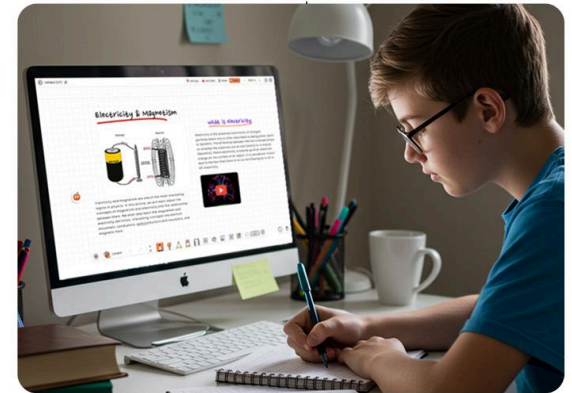
Pre Class

Teachers can upload lesson plans, assign pre-class activities, and ensure students are equipped with the knowledge they need for an interactive learning experience.



During Class

Teachers get real-time access to digital whiteboards, lessons and activities prepared already from home. This enables them to spend more time in teaching rather preparing.



Post Class

Learning doesn't stop when the class ends. BrightClass ensures students can revisit lecture notes and access recordings.

3 Principal App

i: AI Class Monitoring

The EyeRIS device, connected with an AI Vision Camera, revolutionizes classroom monitoring by providing administrators with a comprehensive view of classroom activities.



Live Classroom Streaming:

Get a real-time view of classrooms directly from the admin portal, enabling management to monitor activities without leaving their offices.



Student Behavior Insights:

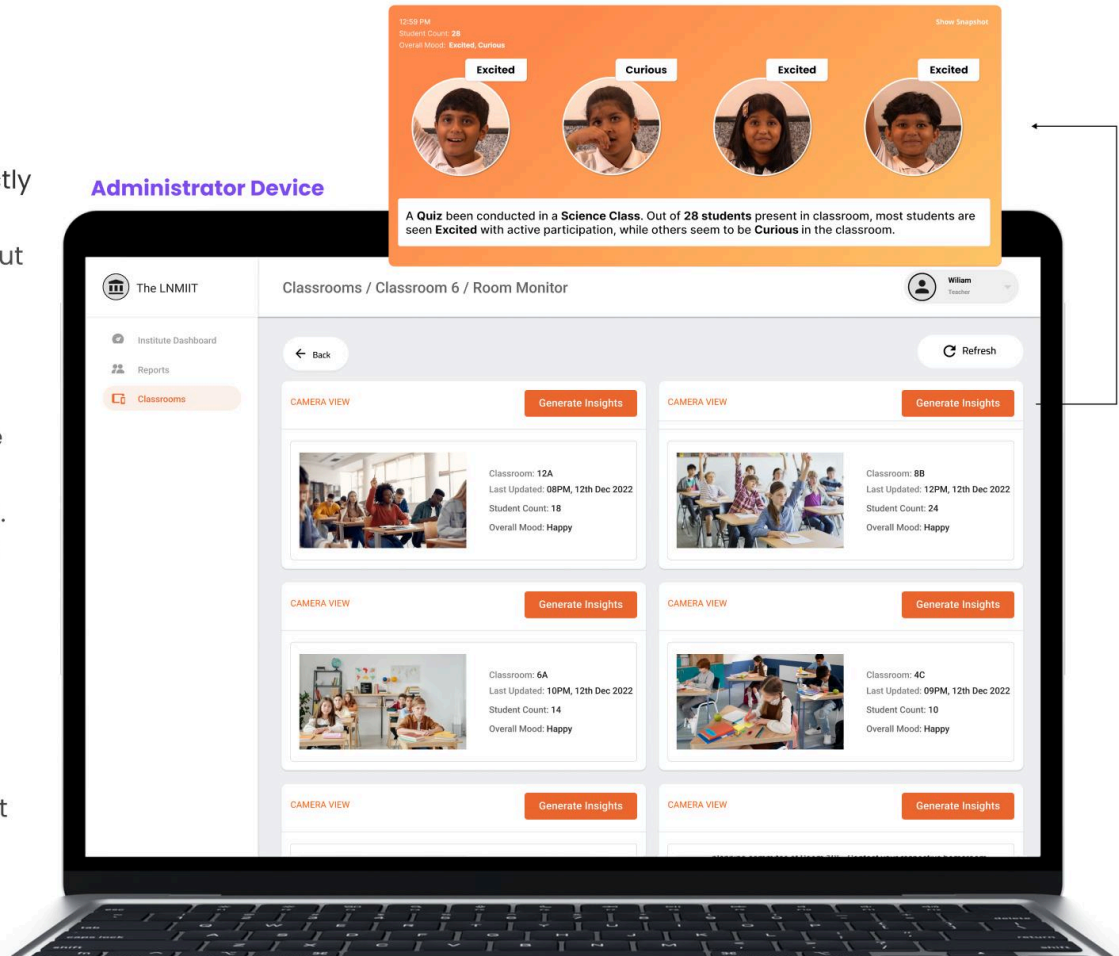
Frequent snapshots are taken to analyze student engagement, classroom dynamics, and overall behavior patterns. These insights allow for timely actions to improve teaching quality and engagement.



Display Monitoring:

Admins can view the classroom display and its content in real time, ensuring that lessons align with curriculum standards and teaching objectives.

Administrator Device



ii: Device Management

Seamlessly manage all classroom displays and devices through a centralized portal, ensuring operational efficiency across the institution.



Centralized Control:

IT teams and administrators can control all displays, including turning them on or off and monitoring their utilization, from a single portal.



Class Announcements:

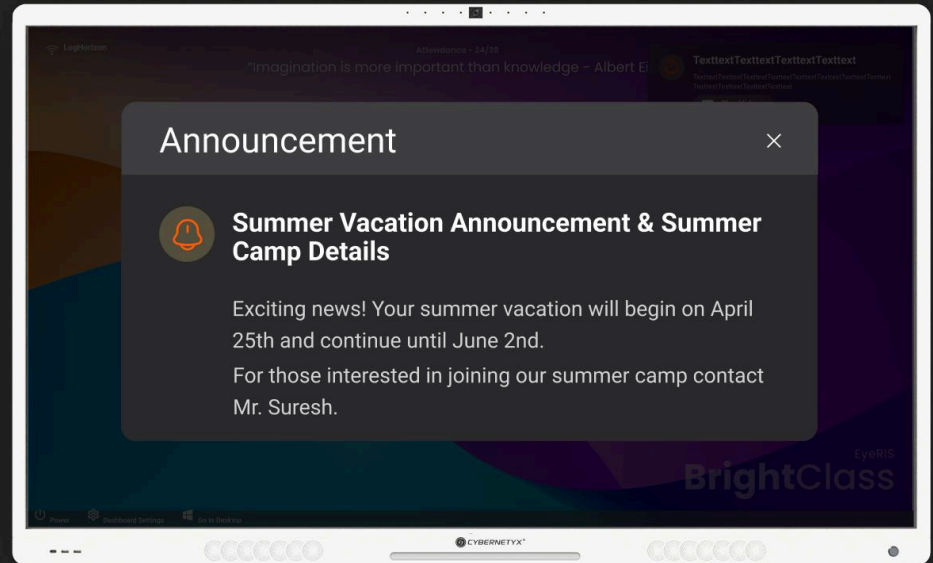
Flash important announcements in classrooms in the form of images, audio, or video. Keep students and staff informed in real time.



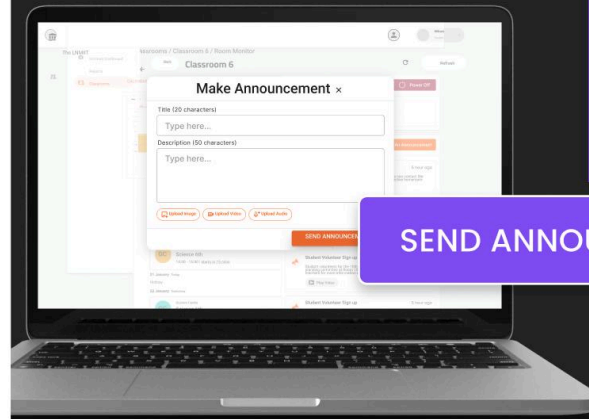
Performance Optimization:

Track device usage to identify underutilized or overutilized resources, helping optimize operations and resource allocation.

Classroom Device



Administrator Device



SEND ANNOUNCEMENT

Reliable Support & Service

we ensure a seamless experience with our robust support system, designed to provide hassle-free assistance at every step.



1800-121-0023

Toll free number for quick support

- Expert installation assistance for smooth setup and integration.
- On-premise support for troubleshooting and technical assistance when needed.



On premise installation & support availability

- Service centres in 710 cities, ensuring accessibility and quick response times.



Efficient Ticketing System

- Structured ticketing-based support for tracking and resolving issues efficiently.
- Priority-based progress tracking for quick resolution.

As per defined SLA's



Submit a Ticket



Assess



Resolve



Close

EyeRIS A20 System Specifications comes with BrightClass



		Hardware
Finish and Sizes	Finish	Pearl White / Space Grey
	Size	65" / 75" / 86" / 98"
Display	Display Type, Resolution & Refresh Rate	Ultra HD IPS LCD A+ Display 3840*2160 (pixels) with 60Hz refresh rate,
	LED View Angle	Direct LED, HDR Display, with wide viewing angle of 179°(H) / 179°(V)
	Surface	Matte finish Surface with 3.0mm Toughened Glass MoHS Level 9 hardness
	Colors & Contrast Ratio	1.07 Billion Colors, Dynamic contrast 100000:1, 1300: 1 (typ.)
	Brightness	450 nits (Typ)
	LED Lifespan	>=50000 Hrs
	Panel Type	LED
	Gap between Glass & Screen	Zero Gap Air Bonding
	Eye Care Filter	Removes blue light emission from display to create a safe environment for teachers and students
Touch Technology	Technology	Advance Edge Optical Touch
	Touch Points	40 Simultaneous touch points (Windows), 20 Simultaneous touch points (Android)
	Touch Resolution	32767x32767
	Accuracy	± 0.3mm
	Response Time	<= 2ms
	Gesture Detection	Palm Detection as eraser, intelligently rejects input of accidental from palm or other objects while writing along, multitouch zoom pan detection
OS		Android 13 Upgradable to Android 14 & 15 (Via OTA)
Chipset	CPU:	Amlogic A311D2, ARM CortexTM (A73 X 4 + A53 X 4) Octa Core 2.28 GHz
	GPU:	Arm Mali-G52 MP8 (8EE)
Camera		13 MP wide angle camera
Microphone		Built-in 8-array microphone with pickup range of 8 meters
Fingerprint*		Built-in Fingerprint sensor
NFC		NFC Based Login

*Available based on customer request

Wireless	Bluetooth 5.2	Yes
	802.11 a/b/g/n Dual Band 2.4G and 5GHz	Yes
	Hotspot Support	Yes
Memory & Storage	RAM	8GB
	Storage	128GB bundled with Unlimited Cloud Storage
Speakers	Stereo Speakers with Surround Sound	Front Facing, Hi-Fi, Stereo Sound output with 20W x 2 with 8Ω impedance, built-in subwoofer & Surround
		Bass reflex with dual passive radiators.
I/O Ports	Front :	Front: USB 3.0 x 2 (Shared), USB Type C x 1(Shared), Touch USB x 1, HDMI x 1
	Back & Bottom :	Side: HDMI IN x 2(ARC), VGA IN x 1, VGA Audio x 1, DP IN x 1, Touch USB x 2, USB 3.0 x 2, USB 2.0 x 2, Type C DP1.4 x 1, Micro USB 2.0 x 1 Bottom: LAN IN x 1, LAN OUT x 1, RS232 x 1, MIC IN x 1, SPDIF OUT, Earphone OUT x 1, HDMI 2.0 OUT x 1, Micro SD x 1
Power Consumption	Voltage	Voltage: 100 V ~ 240 V/AC, 50/60 Hz
	Power	65" ≤230W 75" ≤300W 86" ≤400W 98" ≤500W
	StandBy	Stand-by: <0.5 W
Dimensions & Weight	Dimensions	65": 1550*98*900mm 75": 1730*98*1250mm 86": 1991.57*113*1182.61mm 98": 2252*109.5*1339.4mm
	Weight	65": N.W (37KG), G.W (43KG) 75": N.W (51KG), G.W (60KG) 86": N.W (77KG), G.W (100KG) 98": N.W (82.5KG), G.W (104.6KG)
	Mount	65": (500*400mm) 75": (600*400mm) 86": (800*400mm) 98": (1000*400mm)
Enviornment	Temperature	Working Temp: 0°C ~ 40°C , Storage Temp: Minus 10°C ~ 60°C,
	Humidity	Working Humidity: 10% to 80% RH Non-Condensing, Storage humidity: 5% to 90%
Accessories	OPS (Optional)	Core i5 12450H, 8GB, 256GB/512GB SSD, USB 2.0 x 2, USB 3.0 x 4, MIC * 1, LINE OUT * 1, RJ 45 x 1, VGA x 1, HDMI x 2 Core i7 12450H, 16GB, 512GB SSD, USB 2.0 x 2, USB 3.0 x 4, MIC * 1, LINE OUT * 1, RJ 45 x 1, VGA x 1, HDMI x 2
	Optional Accessories	Video Bar, PTZ Camera , Document Camera, Whiteboard Camera
	In the box:	Antenna x 2, Remote, Power Cable, USB touch Cable, HDMI Cable (1.5M), User Manual, Wall Mount Set
Regulation Compliance		BIS, STQC(ERTL), CE, FCC, RoHS



		Software
Split Screen		Open multiple apps side by side
Wireless Casting & Screen Sharing		Native Support for Airplay & MiraCast, Upto 4 Devices simultaneously
Teaching Software	AI Features	<ol style="list-style-type: none"> 1. AI Lesson Creator 2. Ability to create content in 80+ languages 3. AI Quiz Creator 4. AI Image Creator 5. AI PPT Creator 6. PDF summariser Summarise / Generate Quiz on PDF Chat with PDF 7. Summarise / Generate Quiz selected page in PDF 8. Summarise / Generate Quiz on Image 9. Summarise / Generate Quiz on Video 10. AI chat based assistance for teachers to get instant responses to any of their queries 11. Text to SpeechAI on whiteboard 12. Auto Draw - Object recognition 13. Circle to search on any content 14. Math formula recognition & explanation 15. Chemical formula recognition & explanation 16. Class IQ - recording class lecture - generate summary, questions 17. Student response system (Online & offline) using fiducial markers 18. Offline Content - as per NCERT & other curriculum 19. 3D tools Interactive simulation 20. Active learning games 21. Knowledge based games 22. Text Creation in Offline Mode 23. Bright Labs - Interactive Music, Coding, and other Interactive Apps to Boost Student Engagement

	Whiteboarding Tools	<ol style="list-style-type: none"> 1. Ability to access online curated content curriculum for lessons creation 2. Import documents & multi-media in lessons, share lesson 3. Remotely Online collaboration with student on lessons, with Options to control which student has write access. 4. Live Virtual Teaching using Audio & Video on Lesson consuming less than 1Mbps bandwidth, with option to control enable & disable Audio and video of remote students 5. Conduct live chat, polling during live class. 6. Take Student attendance for remote & inclass students. 7. Live Multi User Collaboration with Live cursor tracking, Host can Manage and Control Writing permissions 8. Create and share assignments, tests, and get analytics & insights of the student performance 9. Always Ready to Connect to smart devices, like mobile and tablets, receive files wirelessly from mobile devices. 10. STEM Tools draw shapes, use math tools, like protractor and compass, solve equations and formulas, and simulate physics and chemistry lab experiments 11. Whiteboard: Pen, colours, Highlighter and Eraser, Multi-background, Creativity Tools, Smart Draw, Shapes 12. Ability to drag and drop multi media content like images, videos, text 13. Presentation Tools : Screen Curtain, Spotlight, Presentation mode 14. Productivity Tools : Media import, (Docs, sheets, PDF, slides), Stopwatch & Document Scanner, Snipping tool 15. Built-in Chrome Browser for Secure and fast browsing experience, Built-in Office Viewer App. + 16. Support for installing MS Office Apps 17. Support for Android apk installation, Support for 3rd Party VC Apps like Microsoft Teams, Zoom, Google meet. 18. Infinite canvas with multi writing and palm erasing gesture support, 5 finger touch to sleep/ wake
Learning Management System		<ol style="list-style-type: none"> 1. Teachers can save and share lessons / homework / class recordings with students 2. Students can access the lessons from anywhere
Remote Classroom Device Management		<ol style="list-style-type: none"> 1. Administrator can centrally manage and monitor the boards remotely through browser in a single window. 2. Administrator can centrally manage and share customized messages and information across the board in a single. 3. Administrator can centrally manage and control the user and access to the installed display board. They can securely manage and control individual users setting and privileges.



For AI-ready Learning Spaces

Registered Offices (India)

India: Cybernetyx Technik (P) Ltd.

NCR: C21, Sector 63, Noida, Uttar Pradesh 201301

Bengaluru: The Fore, Sarjapura main road, Bengaluru, Karnataka 560087

Ph: +1800-121-0023



For more information

Visit: www.cybernetyx.com

Email: hello@cybernetyx.com