

roombr  
Pro

# Naye India ka Naya Classroom

India's Most Advanced Digital  
Classroom Technology



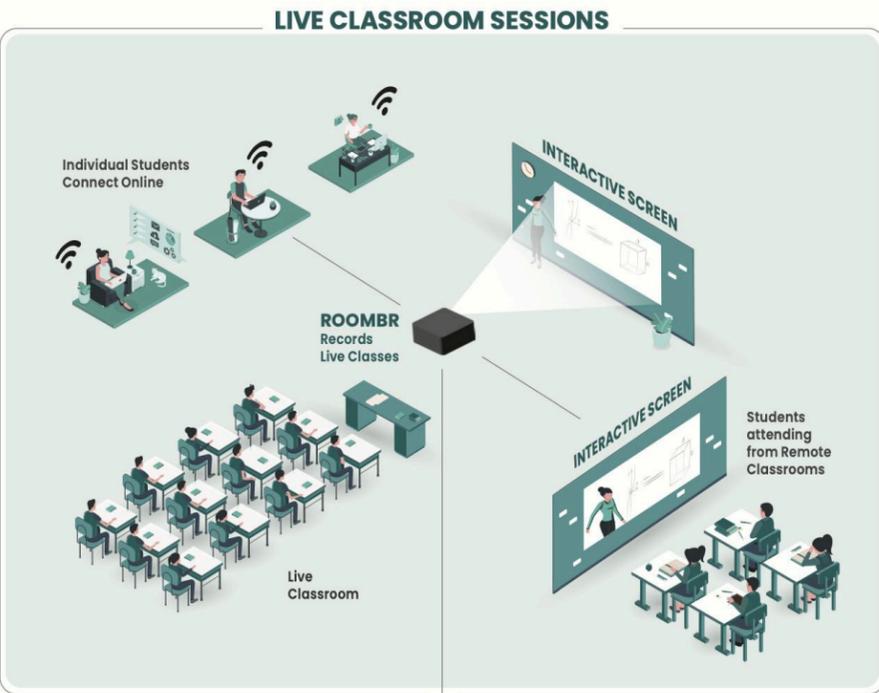
Powered by  
**ROOMBR**



# Roombr Pro in a Nutshell

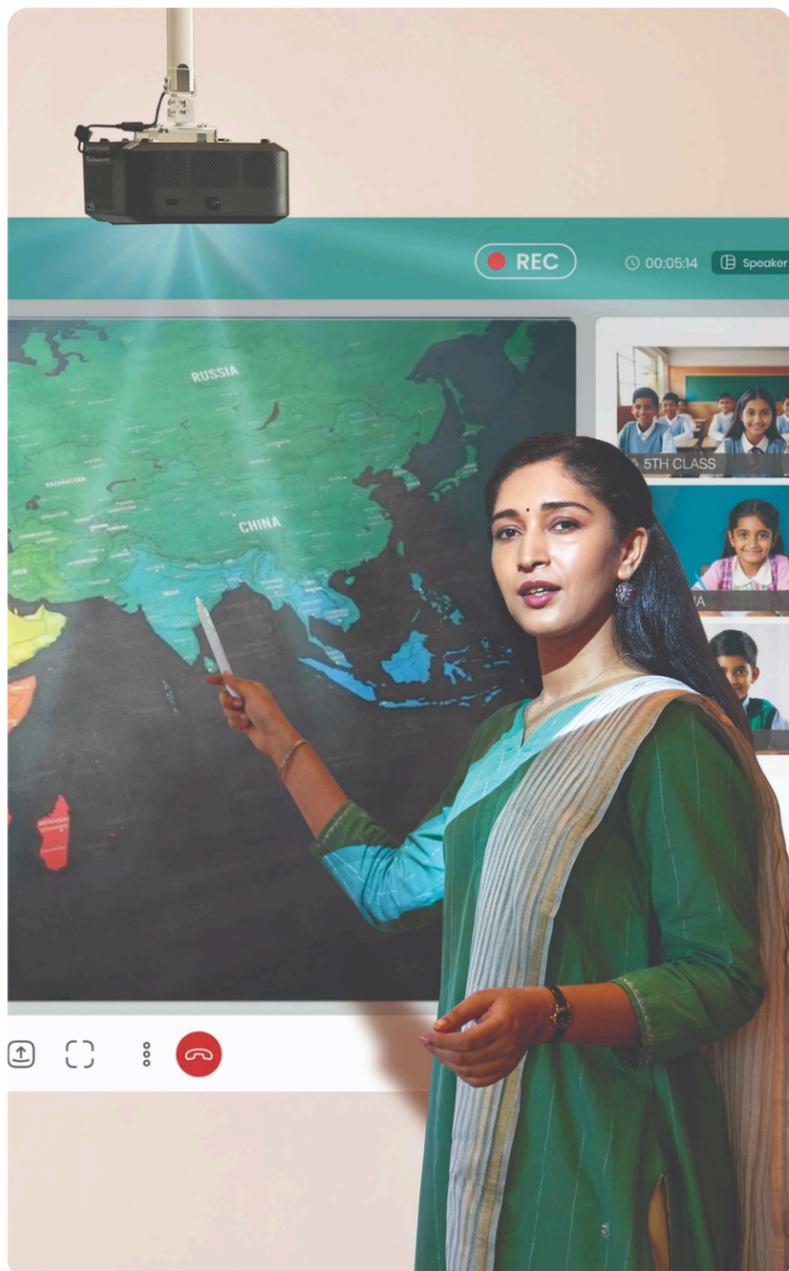
## Interactive Screen and Digital Whiteboard

- Smooth integration with existing classroom.
- Plug and play for a smart classroom transformation.



## India's Most Advanced Digital Classroom Technology

World's 1st patented technology, Roombr Pro seamlessly integrates cutting-edge hardware to provide an immersive learning environment for students and a conducive teaching environment for teachers resulting in effective teaching and efficient learning – empowering both teachers and students to achieve more, together.



- 01 Hybrid Teaching**  
Conduct online and offline classes simultaneously while making lessons interactive and learning more dynamic.
- 02 Collaborative Experience**  
A larger display and interactive solutions helps the teachers deliver more immersive and impactful lessons.
- 03 Comprehensive Lesson Capture**  
Record live sessions ensuring no learning moment is missed with clear audio and video.
- 04 Edit & Enrich Content**  
The recorded sessions are further enriched by the power of Roombr and shared with the students to reinforce learning.
- 05 Seamless Content Delivery**  
Students can access these lessons anytime, anywhere ensuring continuous learning.
- 06 Create & Publish Assignments**  
Teachers can also attach tests, assignments and polls along with recorded sessions, to keep students in practice.
- 07 Measure Learning Outcomes**  
Through data-driven insights, teachers can monitor progress and focus on areas needing improvement.
- 08 Flexible Learning Access**  
Students can watch lessons at their own pace, as many times as it takes to enhance their understanding.
- 09 Take Assessment Tests**  
Assessments linked to the lessons allow students to test their understanding, immediately.
- 10 Revise Lessons & Practice More**  
Students can keep revisiting and practicing the lessons till they feel confident about them.
- 11 Configure Workflow & Curriculum**  
Easily configure courses or classes, subjects, chapters and learning objectives to fit the academic objectives.
- 12 Effortless Enrollment**  
Quickly and easily setup an academic community with all necessary details.
- 13 Organized Scheduling**  
Create and manage class schedules efficiently to ensure smooth operation.

### Cost Effective

A simple plug-and-play device that helps both teachers and students.

### Saves Capital Expenses

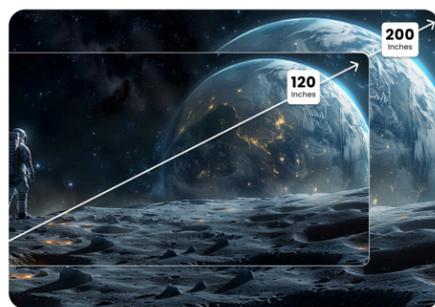
No need to spend on multiple technologies for many years.

### Collaborative Experience

A large display and interactive solutions that help teachers deliver more immersive and impactful lessons.

### Effortless Classroom Setup

Roombr's plug-and-play functionality allows educators to bypass tech complexities and focus on delivering engaging lessons.



### Transforming walls into gateways to education.

Roombr’s interactive display features give the teachers the power to create immersive and interactive learning environments, enhancing student engagement, fostering creativity, and promoting active participation in the classroom.

### Big to small, Roombr covers them all.

With a display that expands up to 200 inches, Roombr is as relevant and effective for a Montessori classroom as it is for a college lecture hall. It is all in line with our ethos of ensuring an optimal learning experience for students across diverse educational institutions.

### Ready. For the Future.

Cutting-edge technology powered by the next-generation Computing Core, delivering high-speed computing for superior performance. Dual cameras designed for an unparalleled video experience. High-sensitivity far-field microphone with Acoustic Echo Cancellation (AEC). High-fidelity speakers providing an optimal sound experience.

### Plug-and-Play, Seamlessly

Roombr integrates multi-device functionalities for classrooms, in one simple plug-and-play device. So, instead of spending their valuable teaching time in setting up multiple devices, educators can do what they do best – deliver engaging lessons. **Projection Unit, Computing Unit, Speakers, Interactive Touch Screen, Connectivity**

## Hardware Specifications

Digital Projection	Short throw, DLP with LED light source, Full HD resolution quality projection with Interactivity enabled
Optical Source	High intensity RGB 4 LED with Auto Focus, 1500 ANSI Lumens brightness through Overlapping Technology, 30,000 hrs. lamp life
Native Resolution	Full HD [1920 x 1080]
Image Size	up to 120 inches (Diagonally)
Throw Ratio	0.8
Contrast Ratio	800:1
Aspect Ratio	16:9
Computing Unit	Intel i5 10th generation
Operating System	Windows 10
RAM	8 GB
Storage	1TB SSD storage
Camera for Video Interactivity	Dual Cameras, 8 MP Camera with 110 degrees FOV
Audio Capabilities	20 w Integrated Stereo Speaker, High-sensitivity MEMS microphone that captures sound from distance up to 10 meters
Interfaces and Connectivity	Bluetooth 5.1 & Wi-Fi enabled, Ethernet port, 4 USB 3.0 ports, 3 HDMI ports (2IN and 1OUT), Interactive IR based Remote controller
Built-in Sensors	Temperature monitor & Gyroscope
Keystone	4 Corner Keystone correction
Portability	Light weight (</= 4 kgs)
Power consumption	Power consumption is less than 150 W
Power Supply	AC input 110~240V, 50/60 Hz
Warranty	1 Year

## Software Specifications

- Roombr App delivers immersive and personalized virtual classroom experiences with features like screen sharing, whiteboard collaboration, and real-time interaction.
- Teachers can enhance recorded sessions using multimedia tools and conduct assessments to monitor student progress.
- Edited sessions can be published for flexible learning, enabling continuous engagement and evaluation.

# Made in India. Made for India.

Indigenously developed under the “Make in India” initiative, Roombr is the answer to educational challenges faced by students & teachers, in India. Developed at our state-of-the-art research facility, it is the result of years of expertise, observations and a dream of bringing together teachers and students for a collaborative learning experience, no matter where they are.



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