Kneura™

SparkPANEL

Planets

Mercury

Chapter 4: Solar System

KSAR   Publish

Venus

REAL SCALE
(Comapare to the Earth)

Mass:
330,104,000,000.000 billion kg(0.55xEarth)
Equater Diameter: 4,879 km
Polar Diameter: 4879 km
Equatorial Circumference: 15,329 km
Known Moons: None

Mass:
4,867,320,000,000.000 billion kg(0.815xEarth)
Equater Diameter: 12,104 km
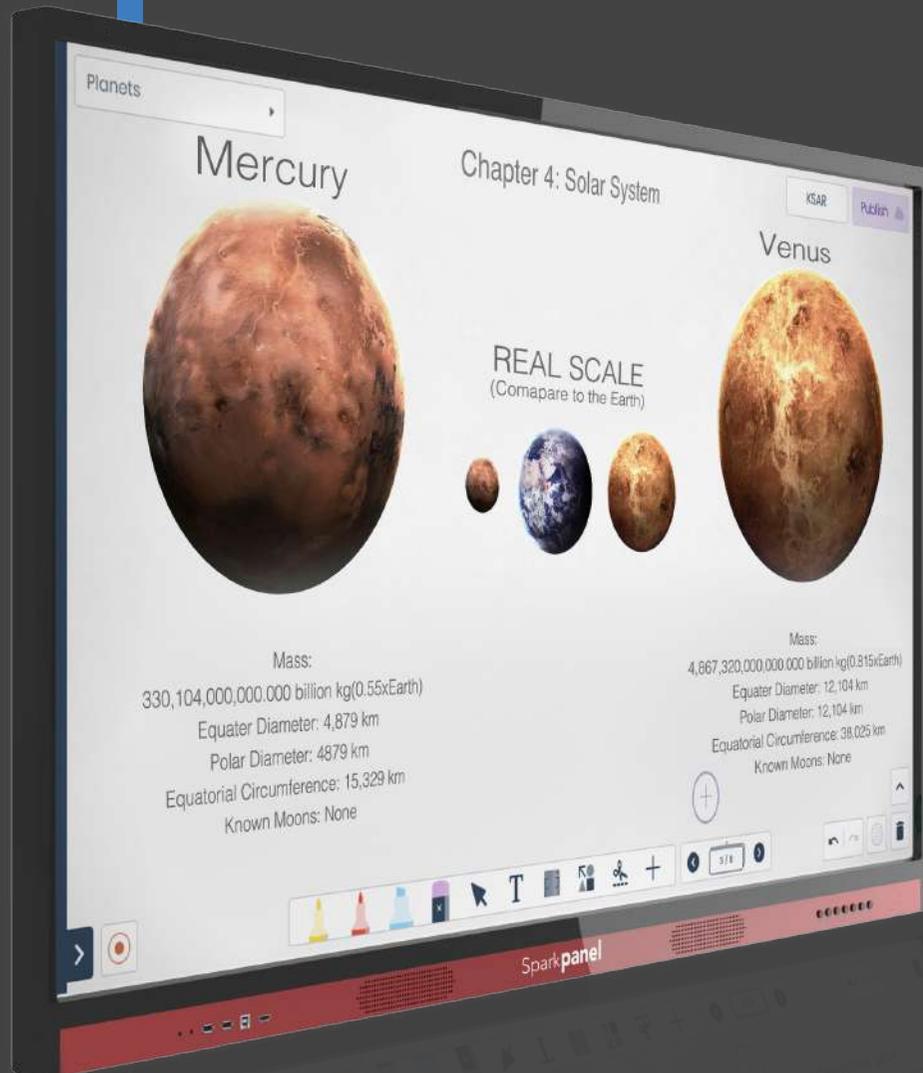Polar Diameter: 12,104 km
Equatorial Circumference: 38,025 km
Known Moons: None

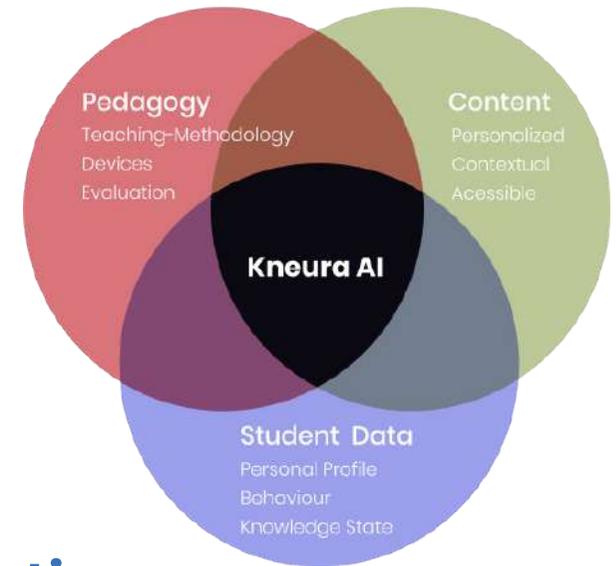Spark**panel**

About Kneura™

Kneura™ is an exhaustive solution to exponentiate learning in students. Developed for both teachers and students, Kneura tailors the learning paths for students, making it easy for them to grasp concepts and understand complex topics at their own pace. It basically acts as a bridge between the learner, pedagogy, and the instruction to deliver unmatched learning outcomes.

Cybernetyx's education brand, Kneura™, was founded on the belief that traditional methods shouldn't dictate how you learn or teach. Our vision is to build intelligent, adaptive, simple, and perceptive devices and solutions to empower learner and educators around the world. Cybernetyx® has sold and deployed more than 135,000 EyeRIS® interactive classroom solutions in India, one of the largest by any company in the country so far.

Pedagogy
Teaching-Methodology
Devices
Evaluation

Content
Personalized
Contextual
Acessible

Kneura AI

Student Data
Personal Profile
Behaviour
Knowledge State

Limitations Found in Other Interactive Panel Solutions:

Not designed specifically for education

No collaboration possible. Does no connect with mobile app.

Comes with only a drawing application without intelligent teaching tools & widgets.

Slow touch response time and lag while writing.

No educational content tool provided with the Interactive Panel.

What We Offer

Spark**PANEL™**, a 4K interactive panel with built-in teaching tools and an education management system is a perfect replacement for traditional blackboards in schools. Experience the joy of writing, annotating and teaching in Ultra-High Definition and using an educational management software to streamline the entire flow of education.

True 65", 75" Panel
gives stharp, beautiful presentation of text, images and videos

4K

Upto 10 Multipoint Touch Gesture Controls
Ensure many students collaborate & use the panel together

Built-in Single Board Computer (SBC)
Powerful controller board powered by 1.4 Ghz ARM board

Toughened Safety Glass & Scratch-Resistant Screen
makes it suitable for heavy classroom use

Wireless Data Transfer
with laptops & mobile devices

Open Platform
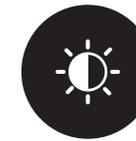Compatible with most operating systems - Windows®, macOS & Linux®

Ultra-smooth Writing Experience
mimicking the feel of pen on paper

Auto Calibration
No time wasted calibrating, just walk up to the panel and turn it on to start

Front facing **Speakers** are a part of the panel

Anti-glare Coating
to absorb upto 80% of light

Chapter 4: Solar System

Cast   KSAR   Publish

URANUS

Mass: 86,810,300,000,000,000 billion kg
(14,536 x Earth)
Equatorial Diameter: 51,118 km
Polar Diameter: 49,946 km
Known Moons: 27
Known Rings: 13
Surface Temperature: -197° C

Sparkpanel

Product Features

Teaching Software

Pen & Highlighter Tool

With the pen tool, teachers can choose from a host of colours, set brush size and adjust the transparency to use the pen in highlighter mode.
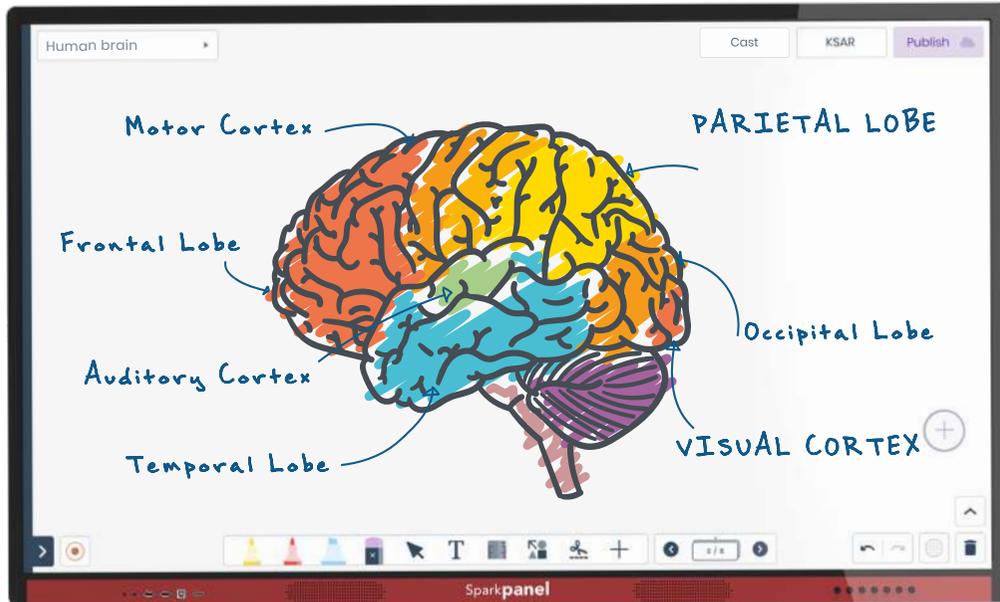
Endless Pages

Say goodbye to limited blackboard space. The teaching software, einsClass, lets you create additional space just by adding tanother page.

File Picker

This eases the process of finding the right content for teachers as they can find existing files such as a word document, pdf, excel, or videos and more directly from the device storage onto the canvas.

MyCloud™

Get access to unlimited educational content on MyCloudTM. Enter any topic to start searching for images or videos. Teachers can also save, download, and use them while teaching.

Spotlight

Teachers can black out the whole screen apart from the spotlighted area.

Screen Curtain

Show only one part of the screen to the class at a time. It's like having a blind pulled down over a window, and then raising it bit by bit to reveal the complete picture.

Smart Capture

Identifies object or text captured and finds the relevant matching images and videos matching that object and gives suggestions.
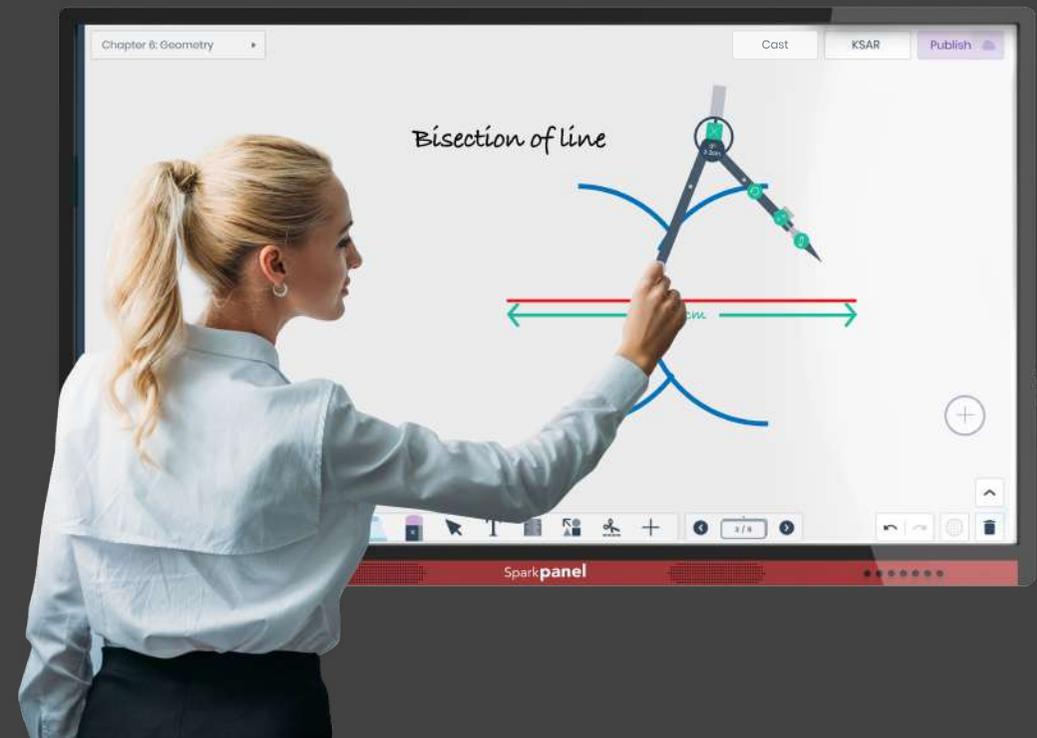
STEM Tools

Draw shapes, use math tools, like protractor and compass, solve equations and formulae, simulate physics and chemistry lab experiments.

Handwriting Recognition

Write freely in your handwriting and the teaching software recognises it to convert into digital text.

Math Recognition

Thanks to the formula recognition feature, just write any complex math equation and the system will recognize & automatically calculate the result for it on the interactive white board in a readable format.

Shape Recognition

Automatic shape recognition up to four-sided figure or draw pre-defined shapes.

Class Recording

Record classroom sessions as audio and video files which can be shared with students.
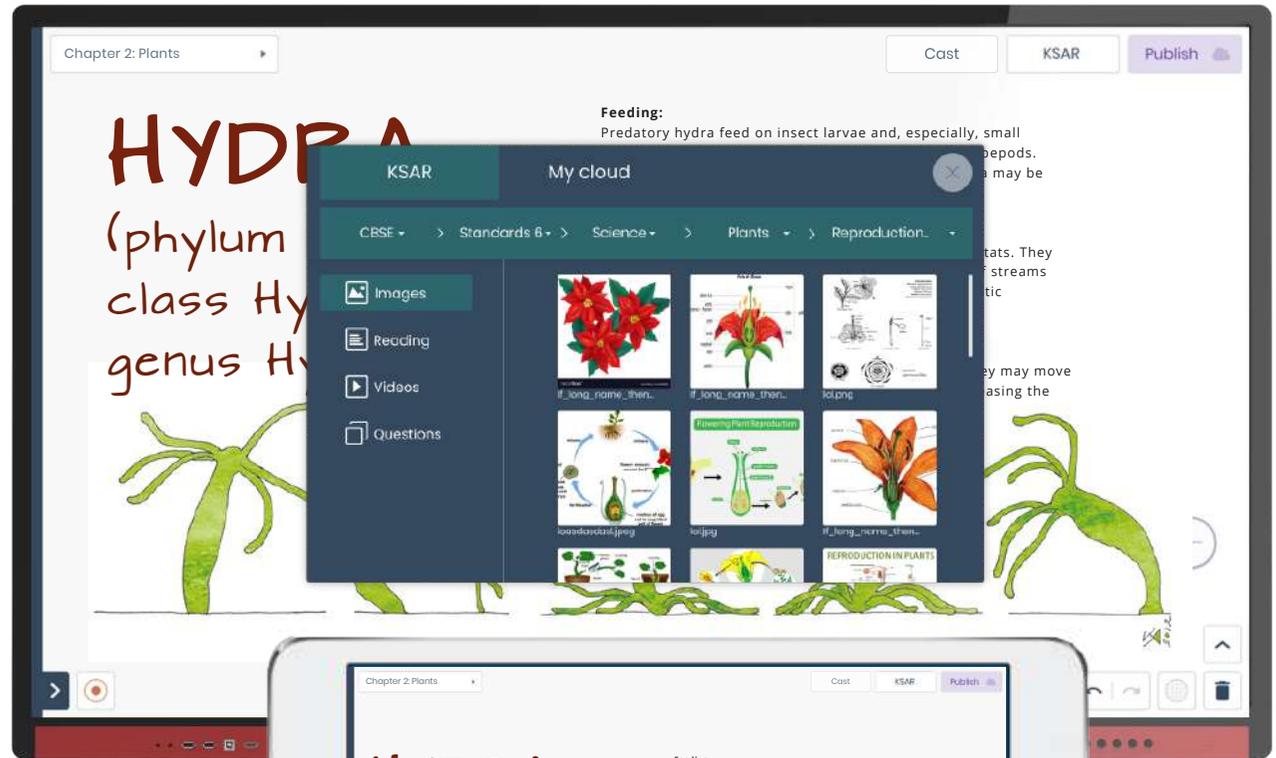
Page Replay

Replay upto 30 tasks/ activities performed in the entire session on the canvas.

KSAR

Kneura's knowledge search and ranking (KSAR) function searches for relevant content, ranks it, and makes it available educators and learners alike. It works as an efficient content ninja, suggesting the right content at the right time.

Companion App

Annotate, write & control the teaching software from anywhere in the class via the KneuraTeach companion app on your phone. This makes it easy for a teacher to attend to student's facing problems without interrupting the flow of the lesson.

PLATFORM

Movement Detection Technology	SLW (Surface Light Wave)
Chipset	ARM® Quad Core, 1.5 GHz
RAM/ROM	2 G/32 G (expandable upto 256 GB via external memory card)
Simultaneous Touch Point Support	Upto 20 points
Precision	3 mm
Panel Size	65", 75" (Diagonal)
Resolution	3840 x 2160 (4K)
Touch Resolution	32767 x 32767
Brightness	350 cd/m2
Response Time	7ms
Dynamic Contrast Ratio	4000:1
Backlight	LED
Life Time	30,000hrs (min)
Aspect Ratio	16:9
Active Area(mm)	1428.48 (H) x 803.52 (V)
N.W/G/W (kgs)	45kgs / 58kgs

Operating System	AndroidTM 6.0
Open Platform	Compatible with Windows®, macOS®, ChromebookTM and Linux®
Power Consumption	Maximum <220 W, Echo <75 W, Standby Mode <0.5 W
Operating Voltage	100 V ~ 240 V, 50-60 Hz
Outputs (Speakers)	15W x 2
HID Support	Yes
OPS Slot	Yes* (ops can be purchased separatly)
Wifi	Yes (Integrated)
Warranty	Standard 3yr onsite
Glass Surface	4mm thickness Mohs -7 level Anti-Glare Toughened glass
Housing	Aluminium + Sheet Metal
Interface Input/ Output	Front Side: HDMI® IN 1-line, USB for PC 2-line, USB for touch 1-line, Rear Side: RS232 1-line, MIC IN 1-line, SD IN 1-line, USB 3.0 Media 2-line, HDMI® IN 2-line, SPDIF OUT 1-line, AV IN 1-line, AV OUT 1-line, Earphone 1-line, VGA IN 1-line, Audio IN 1-line, VAG OUT 1-line, RJ45 LAN IN 1-line, YPBPR 1-line

Product Specifications

Kneura™

Cybernetyx® For Education