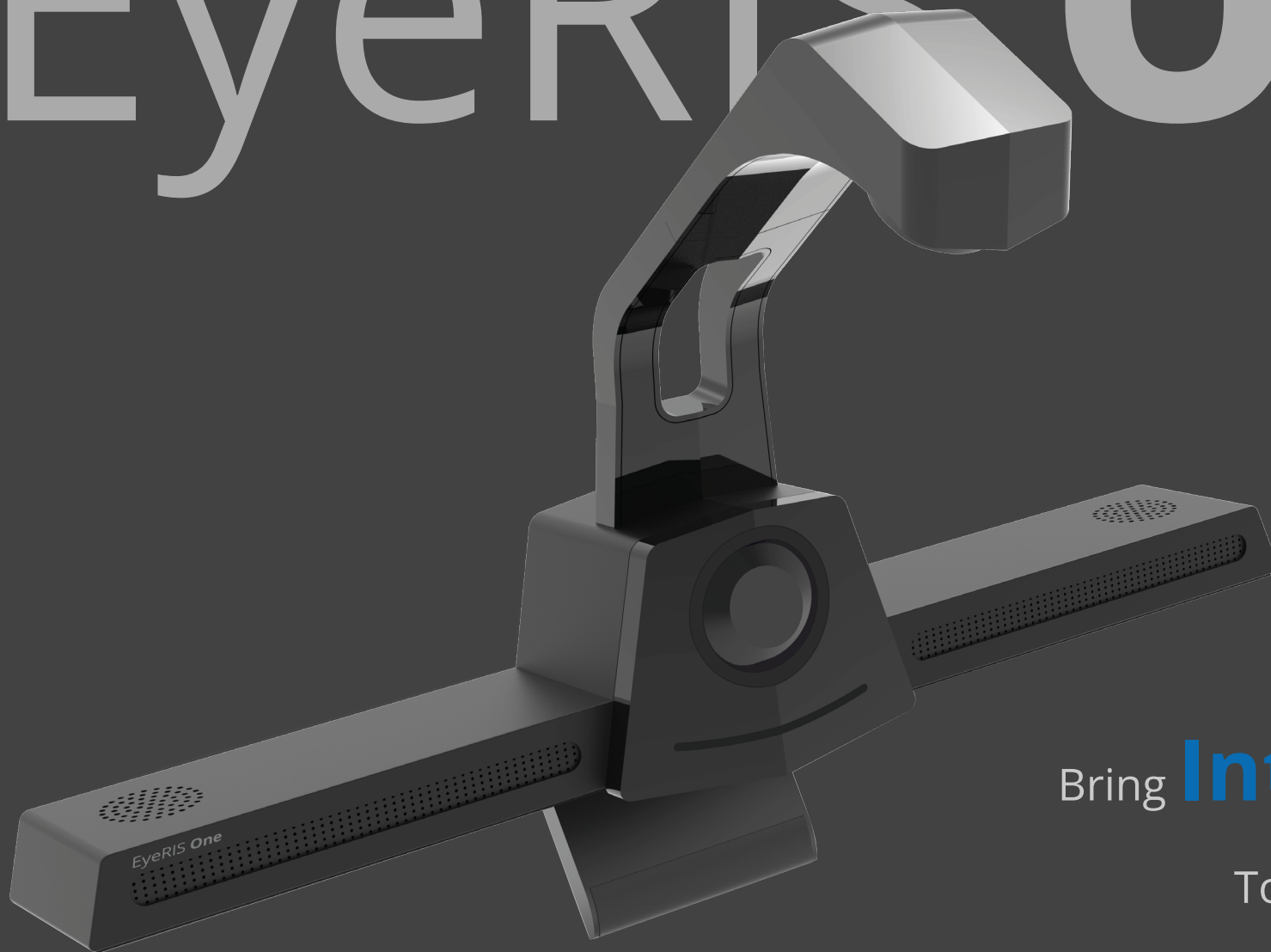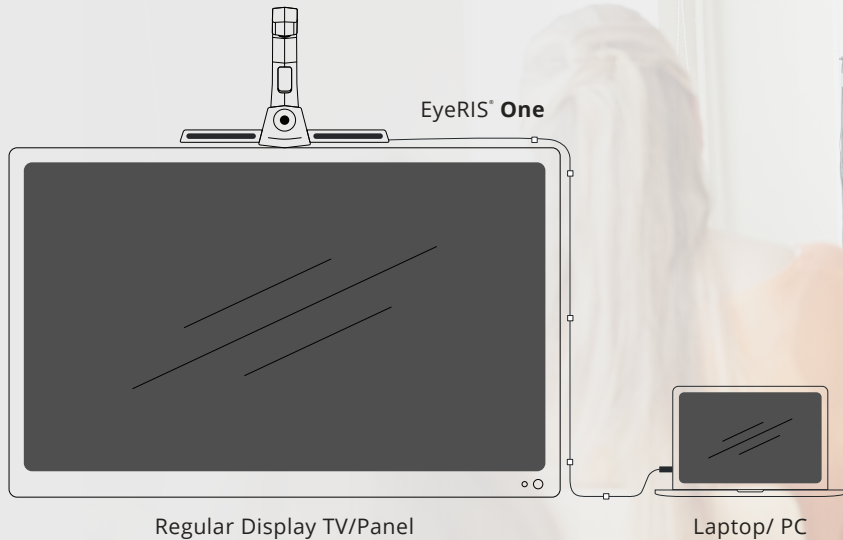# EyeRIS®One

Kneura™

Bring **Interactivity**
To Any **Display**

EyeRIS® One

EyeRIS® One is a clip-on interactive sensing unit that turns any display touch interactive with multitouch gestures and a superior writing performance.

EyeRIS® **One**

Regular Display TV/Panel

Laptop/ PC

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.

EZ Mounting

Brings out the true sense of Plug and Play, clamp the device through the EZ mount fixture onto to any TV Led panel, without any external support.

Elegant design and build

EyeRIS® One minimalist and elegant design positions any environment as sophisticated and forward thinking. It's ergonomic, unibody build enable a quick and easy set up sans drilling or mess.

Ease of calibration and maintenance

EyeRIS® One has auto-calibration functionality that saves teachers' time and effort. This allows for longer sessions without interruptions for recalibration. The device barely requires any maintenance and upkeep.

Optical Sensor

Integrated with an award wining "EyeRIS® Optical Tracking Sensor" Technology converts any TV or Flat panel display into a giant tablet.

Multi-touch Collaboration

Supports upto 255 touch points enabling simultaneous multi-user collaboration on the digital canvas

Unique Design

Backed by the state-of-the-art anti-noise and anti-jitter algorithms — you'll love the quality of interaction you get with EyeRIS® One. It's high-speed image sensors can intelligently track and learn the environment, allowing for a seamless control with any display. The device is compact and portable which makes it easy to install and operate in classroom setting.

EyeRIS® comes bundled with KneuraTeach education software suite that has a gamut of tools and free access to a vast content library, which makes it an ideal accessory for knowledge work.

Key Features

Interactivity

Experience seamless interactivity with optical imaging technology that turns any display into a full-blown touchscreen. It has a tracking speed of up to 120 frames/sec and a response time of up to 195 million dots/second which ensure seamless touch interactivity and a lag-free writing experience.

Collaboration

EyeRIS® One converts any regular TV/Panel into touch enabled surface. Any application that runs on your computer will be touch enabled after connecting to EyeRIS® One. You can also experience a high speed and ultra responsive writing surface which can then be used for any application on your PC like teaching tools, browser, paint, 3D max or photoshop or anything.

Free, Curated Content for K-12 Education

Access unlimited educational content - images, content, videos and more on directly from software suite. Enter any topic and hit search for relevant content, which can be saved, downloaded and used for teaching.

SuperWhiteboard Application

Navigate, with intuition; teach, with perfection. With intuitive applications, teaching is simple and engaging. Whiteboard application syncs with KneuraCloud to suggest teaching path and deliver rich content whenever you need it.

Class Recording

Record classroom sessions with audio and video files. Share it with those who've missed the class or for future reference.

Content Mapping & Recommendation

Our knowledge search and ranking (KSAR) function can be used to search content, rank it, and make it available in the class. It works as an efficient content ninja, suggesting the right content at the right time.
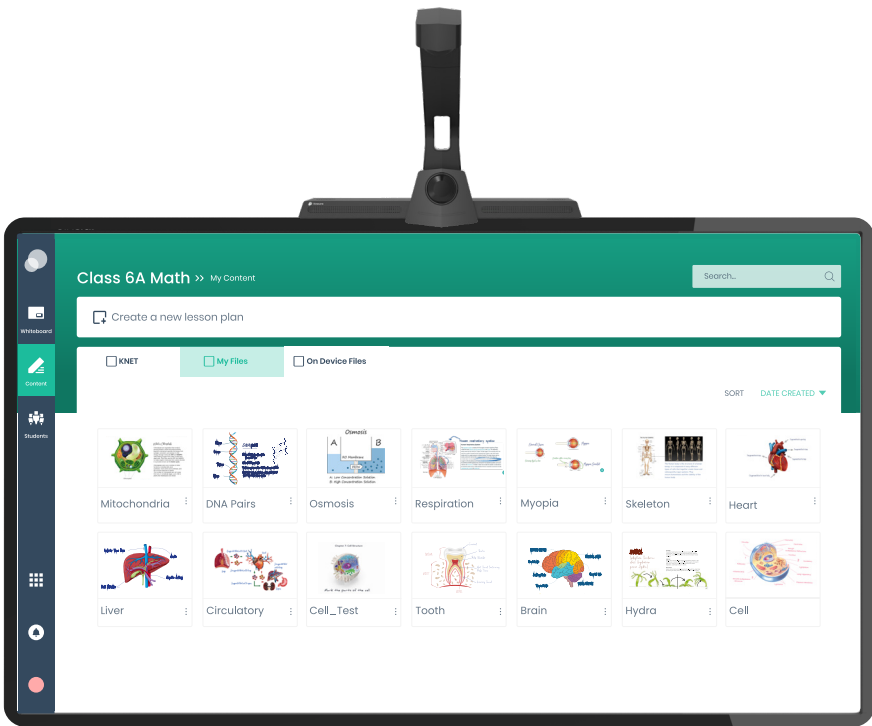

Symbiosis

KSAR | Publish

Turtle being cleaned by fishes

What is Symbiosis?

Symbiois interaction between two different organisms living in close physical association, typically to the advantage of both.

Symbiosis can be obligatory, which means that one or both of the symbionts entirely depend on each other for survival, or facultative (optional) when they can generally live independently.

Symbiosis is also classified by physical attachment; symbiosis in which the organisms have bodily union is called conjunctive symbiosis, and symbiosis in which they are not in union is called disjunctive symbiosis. When one organism lives on the surface of another, such as head lice on humans, it is called ectosymbiosis; when one partner lives inside the tissues of another, such as Symbiodinium within coral, it is termed endosymbiosis.

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Smart Tools

From handwriting, shape recognition to formula recognition and STEM tools, EyeRIS® One has a host of smart and nifty tools for engaging sessions. Draw shapes, use Math tools, solve equations and formulae, or simulate Physics and Chemistry lab experiments giving new dimensions to teaching. Besides these, features like Screen Curtain, Spotlight and Smart Capture make EyeRIS® One a powerhouse in the classroom. The whiteboard application also has an assortment of colors and writing styles to choose from, making teaching and learning a delightful experience.

Capture, Store and Share

Share screens and content, including video and audio files, images, and documents, with other devices such as a laptop, smartphone or computer. The software's screen and video capture buttons let you capture notes and video screenshots. Class participants can then email or print the notes and screenshots for simplified sharing.

Institute Management

KneuraCloud offers institutions and schools the most seamless way to manage staff, their requirements, productivity and more. This app lets administrators add teachers and students, create class and regulate staff and student attendance management. Besides this, it provides a detailed view of device utilisation, school admins can view student performance, broadcast information, and send notifications to parents from one dashboard.

Formative Assessment

Formative assessment is a great way to evaluate learning after a lecture. Creating an assessment after every class can be painful for teachers. Our system helps in creating an assessment after every topic so that the exact outcome of a class a teacher took on a topic can be gauged instantly.
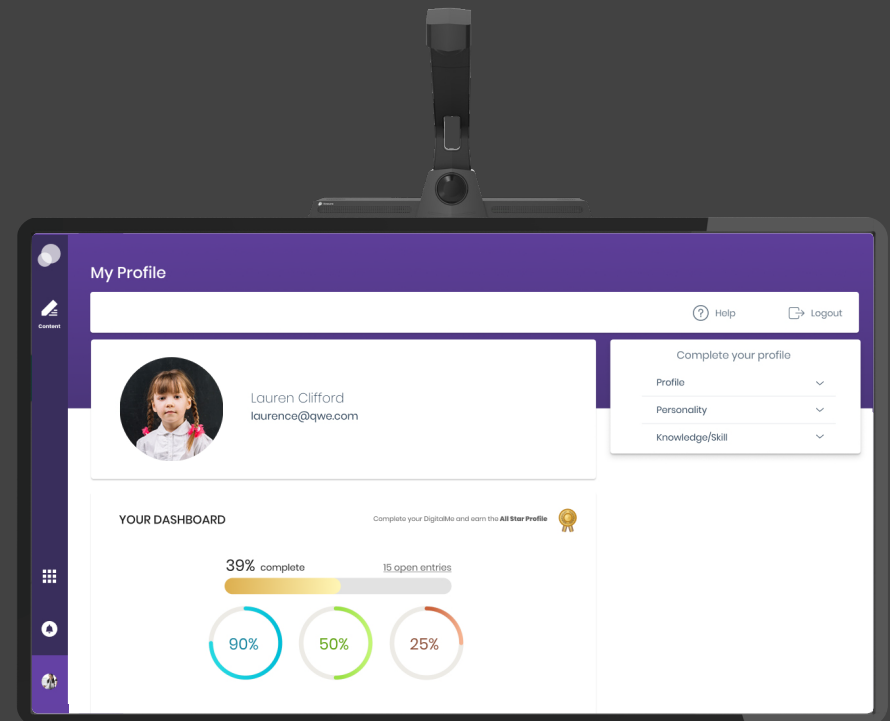
Student Digital Profile

Our platform, KneuraTeach creates comprehensive learner profile with data that describes each student's personal details, strengths and weaknesses, content preferences, knowledge level, and motivations. The DigitalMe profile draws from multiple sources to form a holistic picture of each student to power personalisation and boost achievement.

Personalised Learning Path

We understand that students learn best when they learn at their own pace. Based on the knowledge graph of the course and a student's digital profile, KneuraTeach provides custom learning path by taking into account the knowledge of the student in previous topics.

CAMERA UNIT

Movement Detection Technology	EyeRIS® built-in 3D Dual-band Optical
Tracking Active Area (max projection size recommended)	Upto 75" for 16:9 aspect ratio (wide angle)
View angle	Vertical-95.3°, Horiztontal-130.6°, Diagonal-169.7°
T/R Range	Upto 0.16
Tracking Speed & Response Time	120 FPS (can be extended upto 200 FPS) & 195 million dots/sec
Simultaneous Touch Point Support	255 (System configuration dependent)
Calibration Technology	Automatic as well as Manual Calibration
Power Requirement	5V
Power Consumption	<1W
OS Support (on host PC)	Supports Windows® Platform
Edge-blending System Support	More than 8 devices can be connected to 1 USB port in PC for a Edge-blending setup
Accuracy	+/-2px
Ambient Light Resistance Technology	830nm +/-20 & 650nm +/-20 dual band tracking technology (Visible and IR bands)

STYLUS

Power Demand	Super-Capacitive technology, No Consumables, 3 minutes charging time through USB

	Interactivity	Wireless Collaboration	KneuraCloud
EyeRIS® One	●	●	○
EyeRIS® One Plus	●	●	●

Product Specifications

Kneura™

Cybernetyx® | Education