

MAXHUB

MAXHUB Education Solution





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Education Development Trends

Countries worldwide are supporting the development of **education digitalization** in their policies

中华人民共和国教育部
Ministry of Education of the People's Republic of China

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信息名称: 教育部等六部门关于推进教育新型基础设施建设构建高质量教育支撑体系的指导意见
信息索引: 360A16-09-2021-0006-1 **生成日期:** 2021-07-08 **发文机构:** 教育部等六部门
发文字号: 教科信〔2021〕2号 **信息类别:** 教育信息化
内容概述: 教育部等六部门发布《关于推进教育新型基础设施建设构建高质量教育支撑体系的指导意见》。

教育部等六部门关于推进教育新型基础设施建设构建高质量教育支撑体系的指导意见

教科信〔2021〕2号

各省、自治区、直辖市教育厅（教委）、网信办、发展改革委、工业和信息化主管部门、通信管理局、财政厅（局）、中国人民银行分行，新疆生产建设兵团教育局、网信办、发展改革委、工业和信息化主管部门、财政局、中国人民银行分行，部属各高等学校、部省合建各高等学校：

教育新型基础设施是以新发展理念为引领，以信息化为主导，面向教育高质量发展需要，聚焦信息网络、平台体系、数字资源、智慧校园、创新应用、可信安全等方面的新型基础设施体系。教育新型基础设施建设（以下简称

July 8, 2021 Six Ministries and Commissions including the Ministry of Education
Guidelines for Promoting the Construction of New Educational Infrastructure to Build a High-Quality Educational Supporting System

MOE
Ministry of Education Thailand

HOME MINISTRY PROFILE POLICY AND PLAN EDUCATIONAL STATISTICS SERVICES

19 OCTOBER 2017 HITS: 11539

Education Strategic Plan

Thailand has 6 education strategic plan

1. Education management for social and national security
2. Manpower production and development, Research and Innovation to increase competitive capability
3. Building capacity for all ages people and creating a learning society
4. Building an opportunities, equality and education equality.
5. Education management to strengthen life quality and environment friendly.
6. Improving the performance of education management system.

Bangkok, Thailand

Educational Policies in Thailand

SchoolFinder CourseFinder Academic calendar Quick links My shortlisted

Education Levels Financial matters Education in SG News Careers About MOE

Educational technology journey

Gain an overview of our educational technology journey since its early beginning in 1997 and across the respective master plans.

MOE's Masterplans for ICT-in-Education are blueprints for developing an ICT-enriched environment for learning and teaching that transforms students' experiences.

There have been 4 ICT-in-Education Masterplans since 1997. MOE's Masterplan for ICT-in-Education has been renamed the Educational Technology (EdTech) Plan from 2019 to reflect an evolving plan that better responds to the rapid changes in technology and driving forces affecting education.

Educational Policies in Singapore

basic education
Department of Basic Education
REPUBLIC OF SOUTH AFRICA

Every child is a national asset...

HOME ABOUT US NEWSROOM RESOURCES PROGRAMMES CURRICULUM INFORMATION FOR...

EMIS - Education Management Information Systems

EMIS is a function and unit in the DBE with the responsibility to develop and maintain an integrated education information system for management of education.

The integrated information system is accomplished through acquisition, processing, dissemination and reporting of quality education data.

National EMIS contacts

Mr. Bheki Mpanza - National EMIS Officer
Tel: 012 357 3680 Email: mpanza.b@dbe.gov.za

Ms. Ayesha Suleman - EMIS Director
Tel: 012 357 3655 Email: suleman.a@dbe.gov.za

EMIS Information Requests

Provincial and institutional information (contact details, etc.) may be requested (preferably by email) from the following provincial Education Management Information System (EMIS) Units:

EMIS Publications

Dictionary of Education Concepts
Schools Masterlist Data
Statistical Publications

Survey Instruments

2019 ECD Survey: Capturing Tool
Annual Survey ECD
Annual Survey Ordinary Schools
SNAP Survey: Ordinary Schools
SNAP Survey: SNE

Survey Guidelines

Completing the ECD survey
Conducting the SNAP survey

Educational Policies in South Africa

UTAMA KOPORAT PENDIDIKAN E-PERKHIDMATAN HUBUNGI KAMI

BERSEMPENA LAWATAN KERJA MENTERI PENDIDIKAN KE GAMBANG, PAHANG SEMALAM, YB DR. MASZLEE MALIK TURUT MELUANGKAN MASA MENGENALKAN LAWATAN KE PUSAT ASASI UNIVERSITI ISLAM ANTARABANGSA MALAYSIA (UAM) KAMPUS GAMBANG.

Turut hadir sama Ketua Pengarah Pendidikan Tinggi, YBhg. Datin Paduka Y. Dr. Siti Hamidah Tappir dan Dekan Pusat Asasi Universiti Islam Malaysia (UAM) kampus Gambang, YBrs. Muzhid Kasim.

Ketika menyampaikan ucapan ringkas, YB Dr. Maszlee turut menasihati pelajar baharu agar belajar dengan bersungguh-sungguh dan menjadi yang terbaik kerana UAM adalah antara Universiti Awam (UA) yang terbaik di Malaysia.

Bellau turut berharap warga pendidik meneruskan usaha mereka mendidik para pelajar agar mereka mencapai potensi masing-masing disamping mewujudkan dunia ini dengan nilai murni lebih baik, penyusutan saling menghormati antara satu sama lain.

Pusat Asasi UAM Gambang yang dibangunkan menggunakan keadah Private Finance Initiative (PFI) ini adalah melibatkan kawasan seluas 150 ekar meliputi pembinaan blok akademik, blok makmal, blok pusat kemudahan pelajar (Central Facilities), blok asrama, kafeteria, kemudahan sukan dan rekreasi serta kerja-kerja infrastruktur yang berkaitan bertujuan untuk memberi kemudahan dan keselesaan pengajaran, pembelajaran dan kemudahan asrama kepada 4,200 orang pelajar yang akan melanjutkan pengajian ke UAM.

Pembinaan Pusat Asasi UAM ini yang sepatutnya sila pada 15 Januari 2018 telah tertangguh selama tiga tahun ekoran beberapa masalah dan isu kerana syarikat konsesi dikehendaki untuk melaksanakan kerja pembinaan terhadap kecacatan akibat kerja-kerja yang tidak memenuhi skop serta piawai standard yang telah ditetapkan oleh Kerajaan.

Bagaimanapun, Kementerian Pendidikan Malaysia dengan sokongan daripada pelbagai agensi Kerajaan iaitu Unit Kerjasama Awam Swasta Kementerian Kejurangan (UKAS), Kementerian Hal Ehwal Ekonomi (Unit Penyelidikan Pelaksanaan (ICU), Jabatan Perdana Menteri telah membolehkan hasrat YB Dr. Maszlee Malik, Menteri Pendidikan agar Pusat Asasi ini dapat beroperasi secepat mungkin iaitu pada tahun ini dapat direalisasikan.

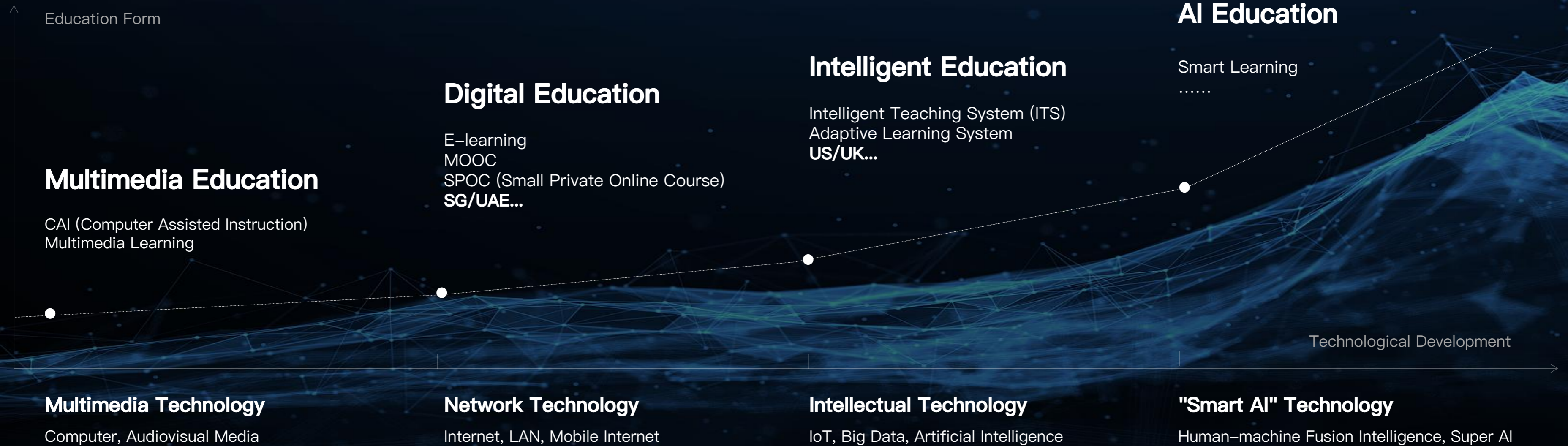
Projek ini merupakan satu kejayaan Kementerian Pendidikan Malaysia, khususnya di bawah kepimpinan YB Dr. Maszlee Malik untuk memastikan kemudahan pendidikan ini dapat dinikmati oleh rakyat iaitu pelajar cemerlang, khususnya yang berada di dalam kategori B40.

Pusat Asasi UAM Gambang ini menawarkan bidang pengajian iaitu Human Sciences, Dentistry, Nursing, Architectural & Environmental Design, Allied Health Sciences, Medicine, Pharmacy, Information & Communication Technology, Physical Sciences, Biology Science, English, Engineering, Law, Economics & Management Sciences, Islamic Revealed Knowledge, dan Arabic Language Studies.

Educational Policies in Malaysia

Education Development Trends

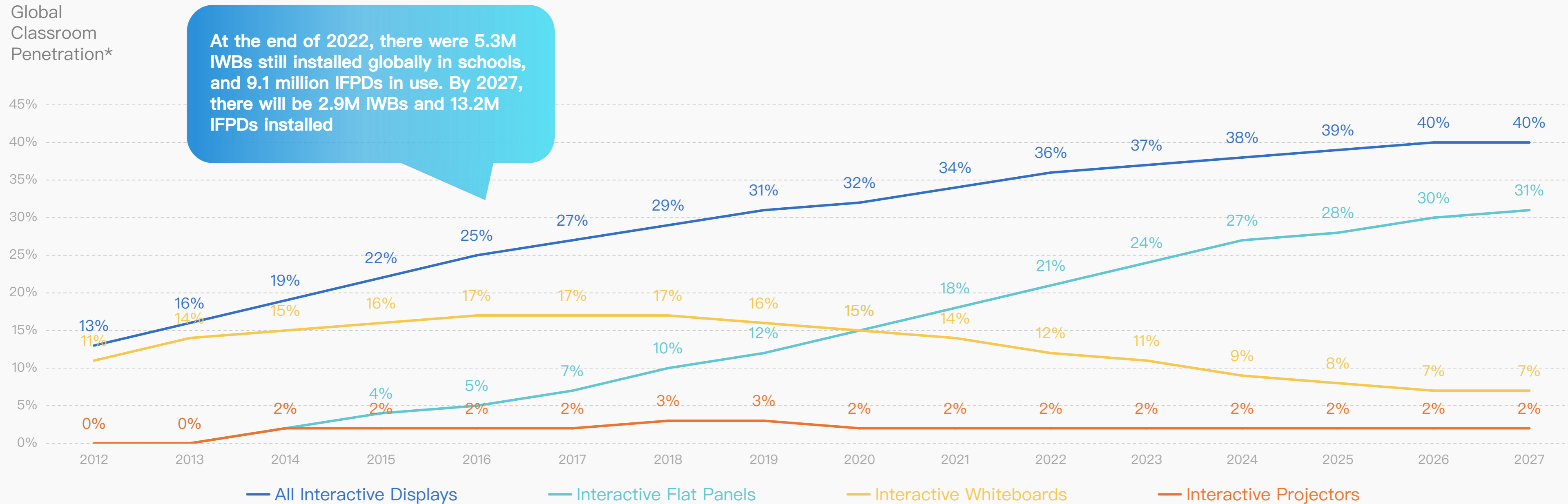
Classroom Teaching Environment Continuously Improved by Technology Development



Education Development Trends

INTERACTIVE DISPLAYS GLOBAL CLASSROOM PENETRATION*

Comparing the Three Technologies: IFPD Penetration Set to be 13 % Points Ahead of IWB by End of 2023

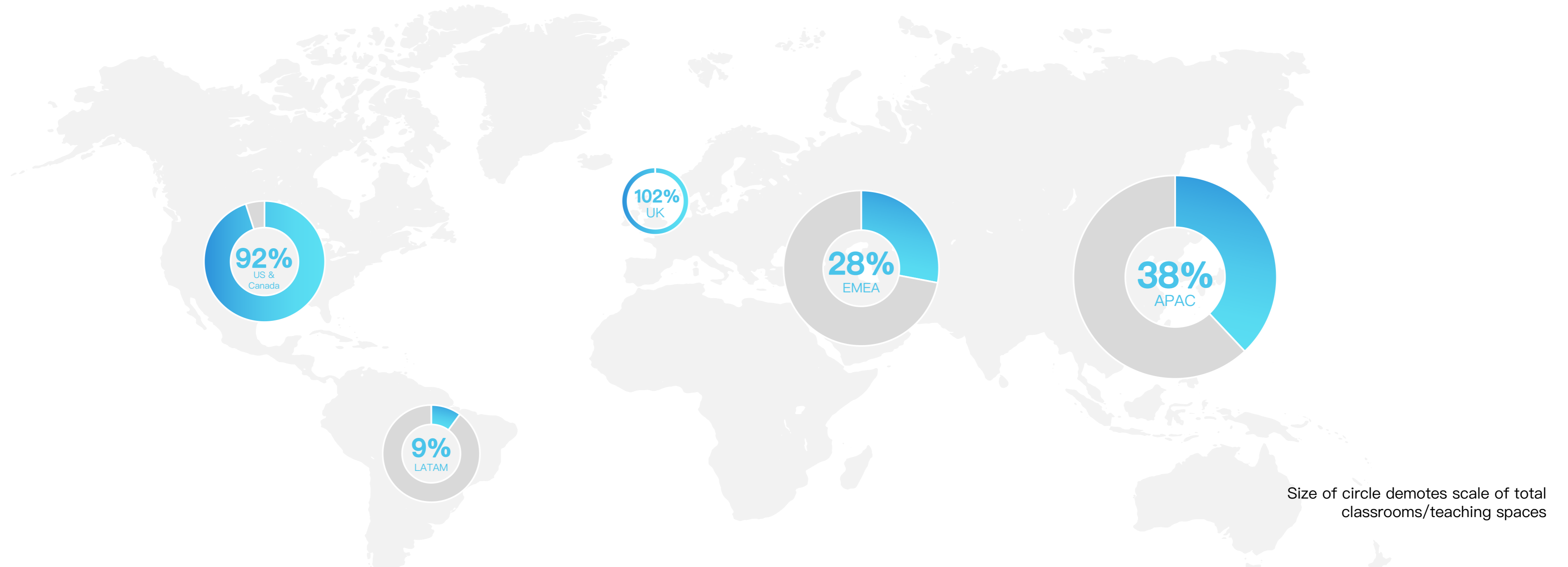


*Data Source: Futuresource 2022 Q4 Interactive Displays Report

*Compulsory K-12 education ONLY. Classroom is defined as any "teaching space"

Education Development Trends

INTERACTIVE DISPLAYS K-12 CLASSROOM PENETRATION: END 2022



Region	US & Canada	LATAM	UK	EMEA	APAC
Total Classrooms	3.8m	5.2m	0.7m	14.6m	19.5m

*Data Source: Futuresource 2022 Q4 Interactive Displays Report

Customer Pain Points

Problems in Teaching Process



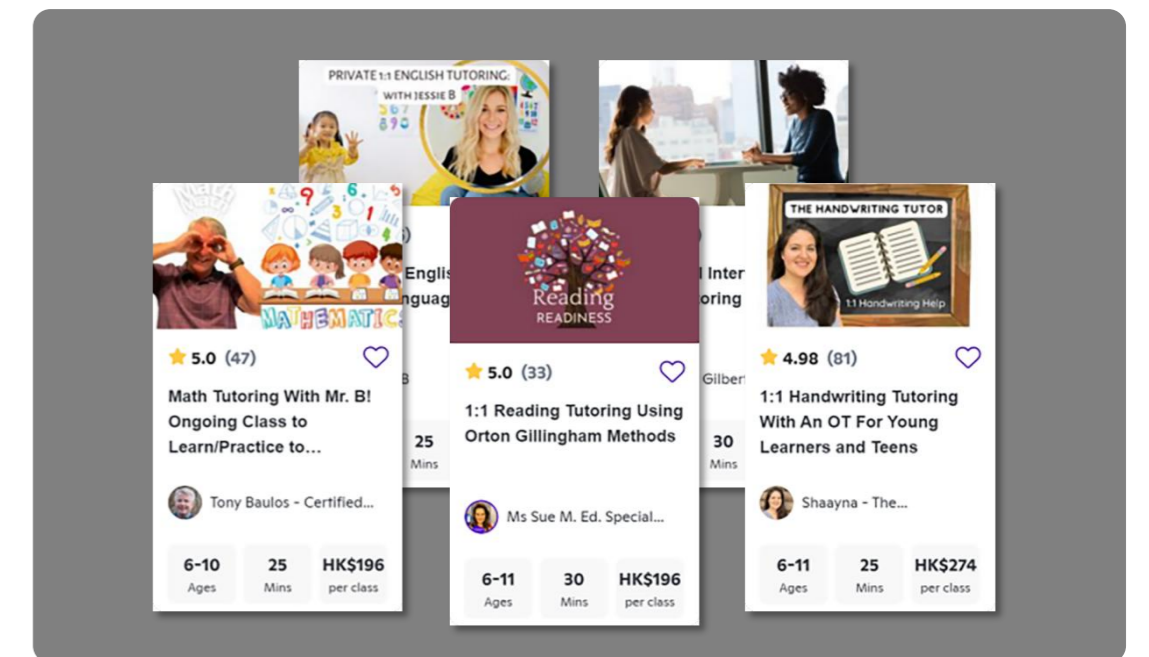
Lack high-quality educational resources

The high-quality educational **resources are in short supply**, while the quality and balance of educational development is still insufficient



Lack of teaching tools for teachers

There is a lack of teaching tools available to teachers, and advanced teaching methods cannot be applied, resulting in **low teaching quality and efficiency**.



Difficulty on resources saving and sharing

It is difficult to present teaching results and to **deposit school-based resources**, with a lack of information-based management and establishment of professional effectiveness.

Customer Pain Points

Problems in Teaching Process



Student distract in class

- Students are less engaged and tend to be distracted and disengaged in class.
- It is impossible to access classroom performance and usual grades.



Lack of teaching tools and resources

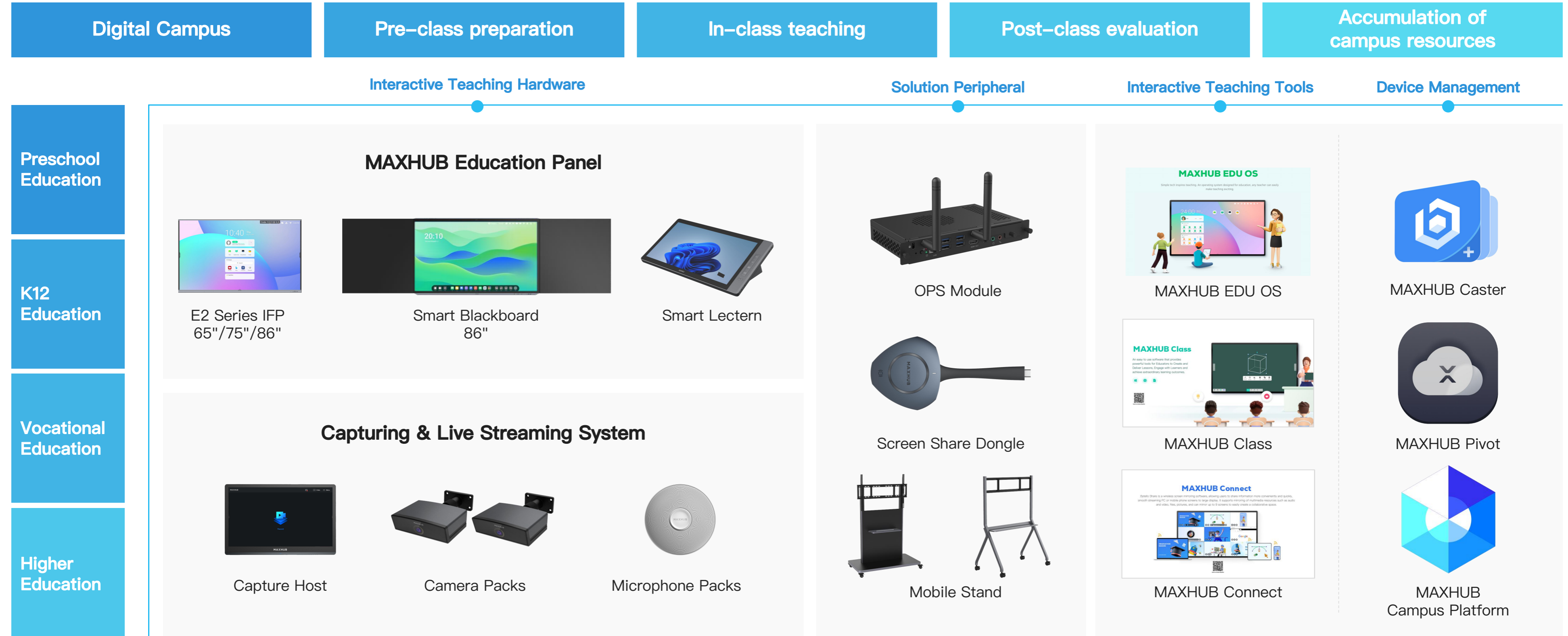
- There is a lack of practical teaching tools to improve the efficiency of the teaching process.
- There is a lack of teacher resources to support teaching and learning.



Time-consuming device management

- It takes extensive time and effort to manage, operate and maintain all devices in the school.
- Its time-consuming and inefficient to analyze a large amount of teaching data.

MAXHUB Education Product Family



*All software is in-house design by MAXHUB

MAXHUB Education Solution Overview



Intelligent Interactive Classroom

Classrooms equipped with interactive flat panel or Smart Blackboard, enable interactive, seminar and collaborative teaching to stimulate student creativity.



Lecture Capture Classroom

Classrooms are equipped with Capture Solution devices and Smart Blackboard, achieving different scenarios for daily teaching, such as hybrid teaching and course resource acquisition.



Group Collaboration Classroom

Its a interactive smart teaching spaces that meets seminar teaching and creative teaching needs. Through the interactive teaching equipment, online students can immerse themselves in discussions and collaborations.

Lecture Capture Classroom

B8610	Smart Blackboard	1 Unit
E8620	Education IFP	1 Unit
EW20T	4K Teacher Camera	1 Unit
EW20S	4K Student Camera	1 Unit
CM20	Ceiling Microphone	1 Set (2pcs)
CSP20	Capture Host	1 Unit
Capture System Software		1 Set





Group Collaboration Classroom

B8610	Smart Blackboard	1 Unit
E8620	Education IFP	4 Units
EW20T	4K Teacher Camera	1 Unit
EW20S	4K Student Camera	1 Unit
CM20	Ceiling Microphone	1 Set (2pcs)
CSP20	Capture Host	1 Unit
	Capture System Software	1 Set
	Multi-Screen Transfer Software	1 Set

MAXHUB Education IFP

E2 Series IFP 65"/75"/86"
Excellence in Education



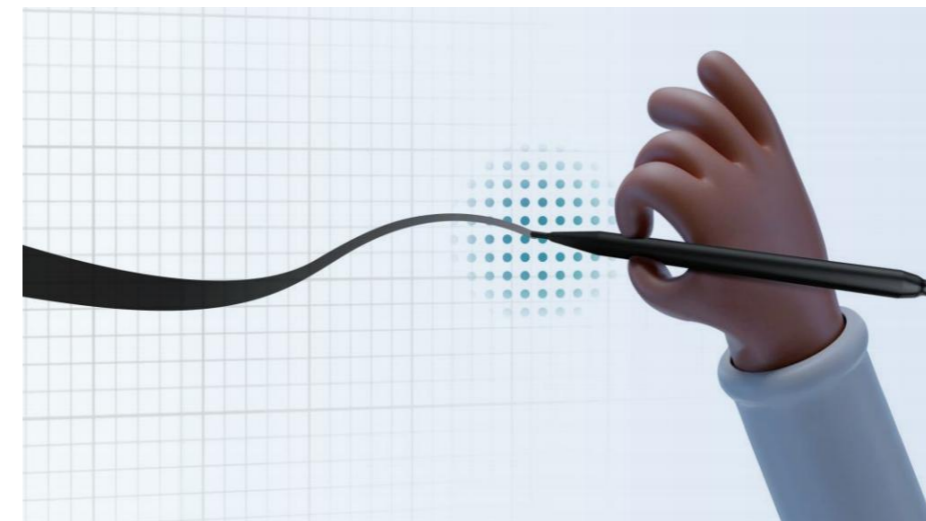
Prominent Display

4K, high-contrast screen, pro-grade color accuracy ($\Delta E \leq 2$) and wide color gamut (NTSC 72%)



Visual Health

Brand new Eye-care mode, TÜV Low Blue Light, Flicker Free and SGS anti-bacterial certification.



Precise Touch

Zero Bonding and high-precision touch technology (± 1.5 mm), bring natural writing experience.



Convenient Connectivity

All-in-one Type-C interface, bringing BYOD convenience to the classroom.

MAXHUB Smart Blackboard

MAXHUB B8610 Smart Blackboard
Revolutionizing Interactive Education



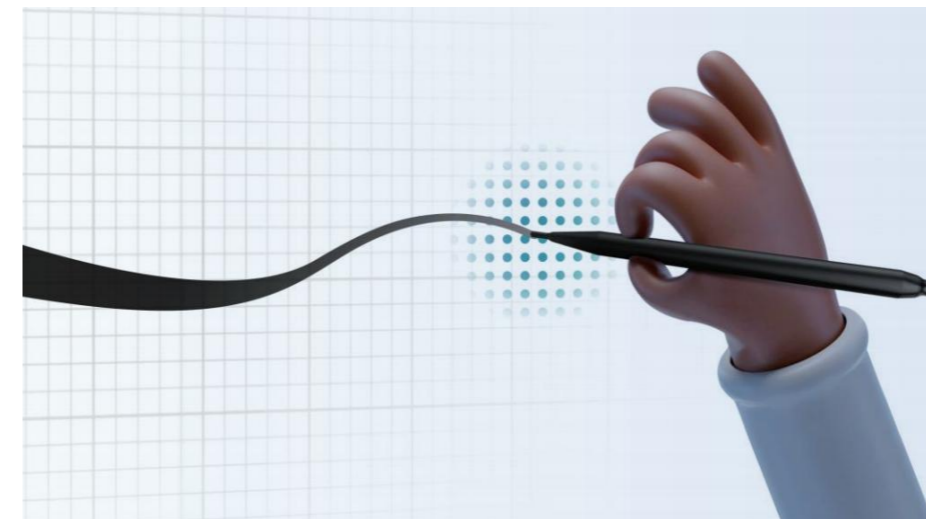
Seamless Screen

All-metal shell and one-piece integrated design for a more aesthetically pleasing and premium appearance.



Visual Health

Brand new Eye-care mode, TÜV Eye Comfort, Low Blue Light, and Flicker Free Certification.



Smooth Writing

High precision touch and chalk writing function, ensuring a smooth writing experience.



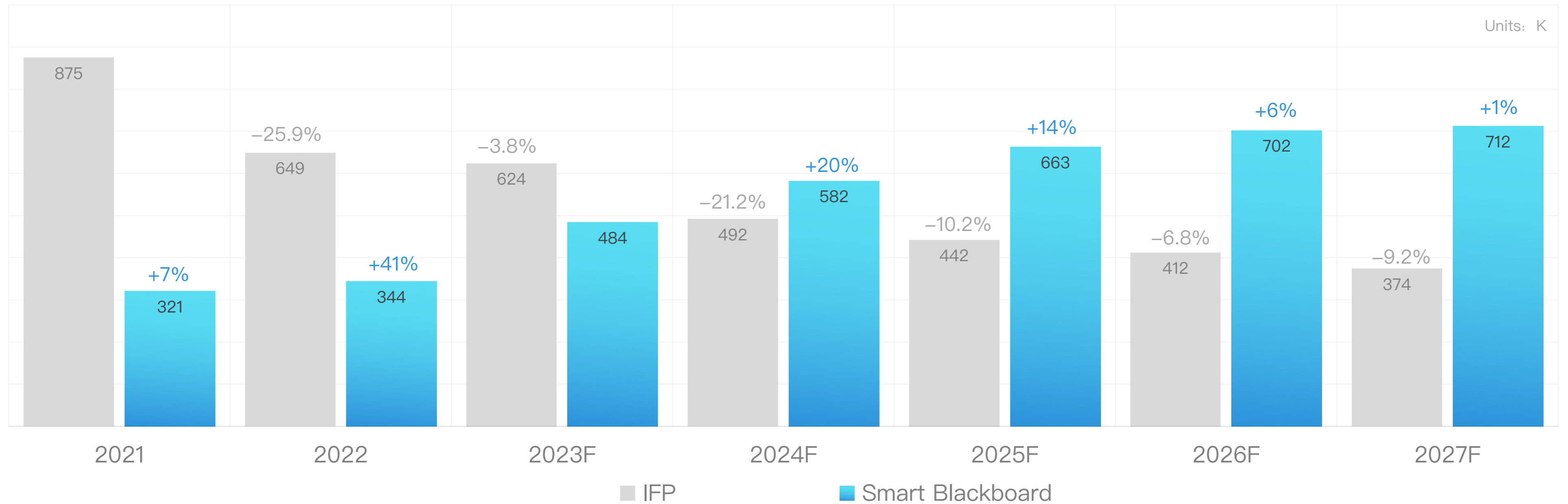
All-in-one Capability

Embedded 16M camera and 4 arrays microphones for hybrid teaching.

MAXHUB Smart Blackboard

In China, highly integrated Smart Blackboards are gradually replacing Education IFP.

2021–2027F China Education Market Shipment Forecast



*Data Source: DISCIEN 2022 Q4 IFPD Report

MAXHUB EDU Software Suit

Empower teachers for every excellent lesson



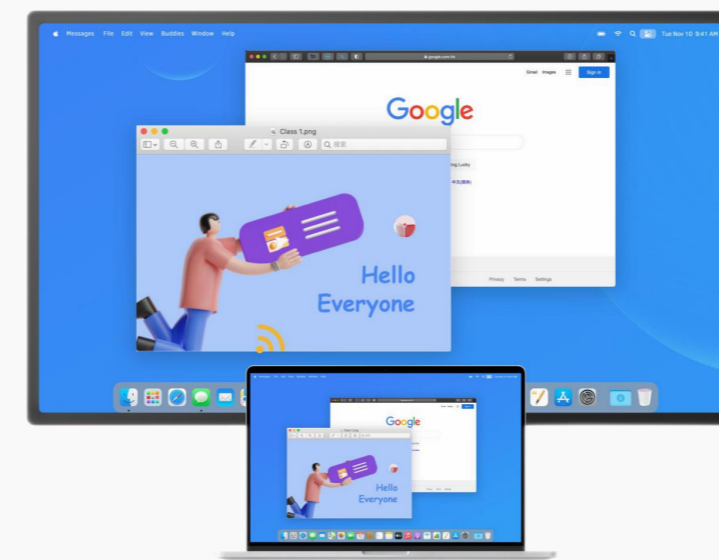
MAXHUB EDU OS

Simple tech inspires teaching. An operating system designed for education, any teacher can easily make teaching exciting.



MAXHUB Class

An easy to use software that provides powerful tools for educators, engage with learners and achieve extraordinary learning outcomes.



MAXHUB Connect

A wireless screen mirroring software, smooth streaming PC or mobile phone to large display. Supporting mirroring up to 9 screens to create a collaborative space.



MAXHUB Pivot

It provides organizations with a convenient and fast unified management solution, builds an efficient and real-time equipment management system.

MAXHUB EDU Software Suit

MAXHUB Class

MAXHUB Class

An easy to use software that provides powerful tools for Educators to Create and Deliver Lessons, Engage with Learners and achieve extraordinary learning outcomes.

Scan to contact Bytello

Engage your students

A digital whiteboard with powerful tools and Widgets make the instructions effective and engaging.

- Snap** | Rich gadgets help teachers enhance classrooms.
- Broad** | Unlimited canvas for free setting.
- Geometry** | Draw plane geometry.
- Ruler** | Abundant rulers help teachers make Class clearer.
- Ranking** | Make activities more realistic and give the instant feedback.
- Activities** | gamified access for meaningful engagement.

Powerful tools and widgets

Present your lessons with ease

- Screen Sharing** | Directly open your files in Google Drive, OneDrive, Bytello account
- Files Sharing** | Share files of your PC on IFP even if the two devices are on different networks
- Cloud Drive** | Directly open your files in Google Drive, OneDrive, Bytello account

Present your lessons with ease

All you need in one platform

- Import** | Easily add existing teaching materials, digital media, and interactive elements to a lesson plan.
- Activities** | Find and create gamified quizzes for meaningful engagement
- Ranking** | Before class, create a student list. In class, students can be divided into random groups and play games.

Create gamified activities

Upgrade your teaching performance

With your app installed on IFP, educators can easily log into accounts and load information quick. Within seconds, you'll be ready to host an amazing lesson.

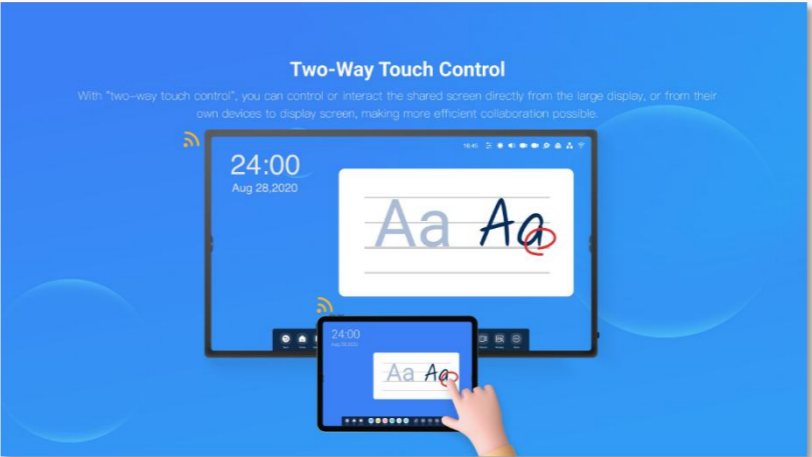
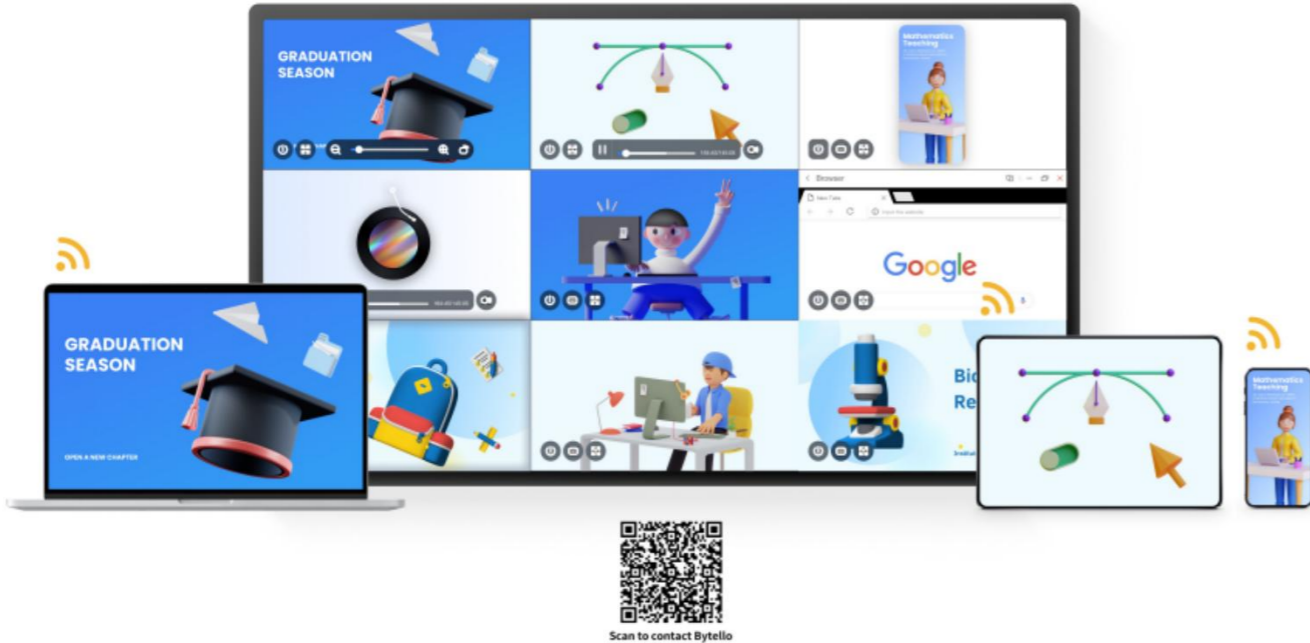
Easy-to-use account system

MAXHUB EDU Software Suit

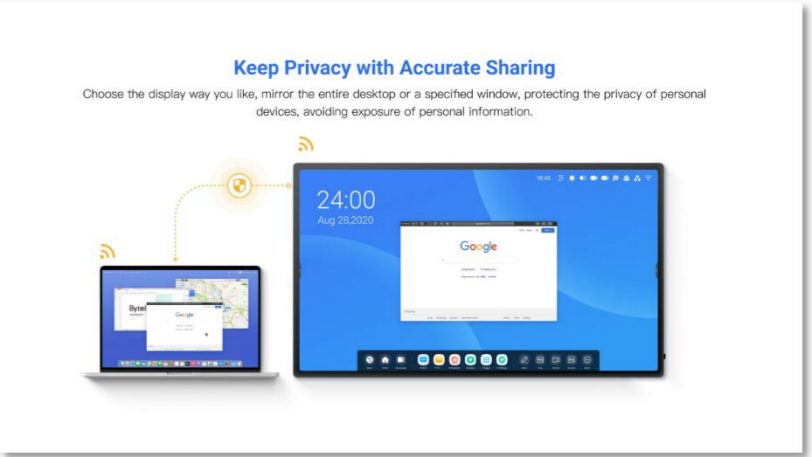
MAXHUB Connect

MAXHUB Connect

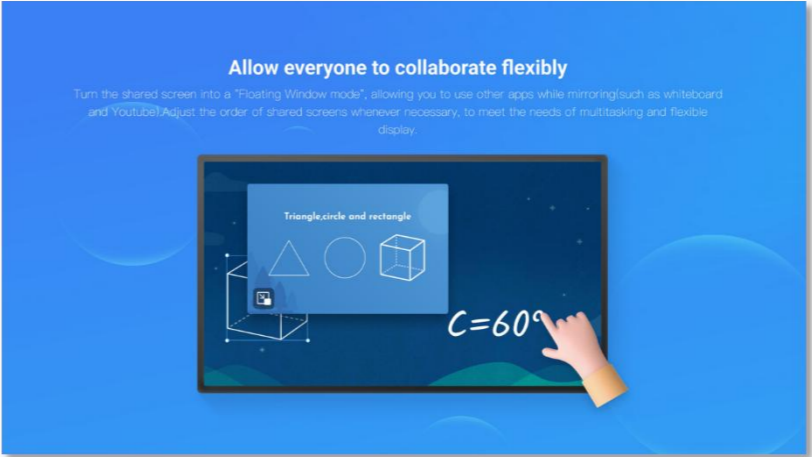
MAXHUB Connect is a wireless screen mirroring software, allowing users to share information more conveniently and quickly, smooth streaming PC or mobile phone screens to large display. It supports mirroring of multimedia resources such as audio and video, files, pictures, and can mirror up to 9 screens to easily create a collaborative space.



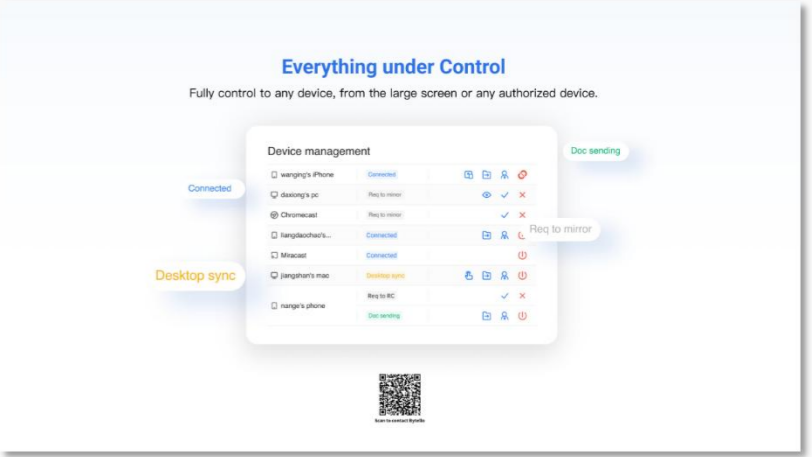
Control the shared screen from the display or own devices



Mirror a specified window
Protect the personal privacy



Floating window mode
Meet the needs of multitasking



Full control to the large screen or any authorized device

MAXHUB EDU Software Suit

MAXHUB Pivot

Convenient Device Management

Access and control your devices instantly through the cloud. You can control and wakeup screens remotely, lock screens when necessary, and more. The in-built Android technology gives you full control over your ecosystem, wherever you are.

Device Name	Status	Notification	Action
IFP-EX75	On	23:59 Notification	Details
IFP-L65EE	On	16:47 Notification	Details
IFP-L75EG	Off	-	Details
IFP-L65EG	Off	-	Details

Control your Schedule

Need to run specific processes at a certain time? The Bytello DMS software enables personalized schedules, allowing you to set tasks according to your needs. You can even schedule third-party upgrades and patch times for minimal disruption.

Commands	Mode	Command user	Time
Screen	Normal	root	2020/8/14 18:00
Shutdown	Normal	root	2020/8/14 18:00
Reboot	Normal	root	2020/8/14 18:00
Run	Normal	root	2020/8/14 18:00

A set of intelligent management tools for administrators.

Remote Control

Control all the hardware and access application management from a distance.

Information Release

Information release support document, multimedia, live channel release.

Get Powerful Insights and Analytics

Make the most of your transformative tech with fantastic analytics. View the operations information for each device in a straightforward interface. Collect and analyze statistics for useful insights or inspect panels for errors. See a problem with a panel? Perform a maintenance procedure or send an instant notification to your IT team.

Device usage data

Active devices: 3

Active hours: 356.9h

Unified Application Management

Access absolute application management within a single interface. Enable, disable, install, and update apps on multiple panels at once with quick remote access.

Native apps	Version	Size
Cleaner	2.02.2	2.4MB
Cloud	4.22.0	5.3MB
Palette	5.07.2	12.5MB

Application Data Analysis

View the device application status, active trends, and operations information.

Power Saving

Power on/off, device lock, and auto shut down, all according to your settings.

MAXHUB Capturing System

Create an effective and easy-to-use class capturing solution



Class capturing

One-touch start recording, automatically cast and record classes.



Hybrid Learning

Carry out large-scale online live streams, break the limitations of time and space.



Resource application

Help schools to establish a school-based high-quality resource library.

MAXHUB Capturing System

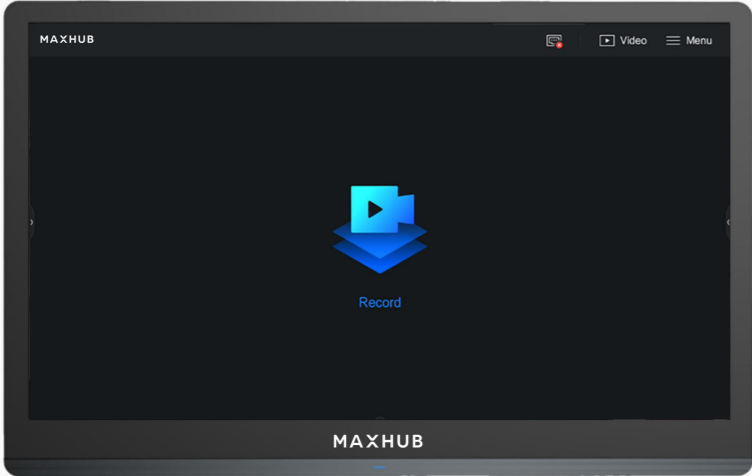
Create an effective and easy-to-use class capturing solution

[Live Demonstration Video](#)






MAXHUB Capturing System

Create an effective and easy-to-use class capturing solution



Capture Host




Highly integrated with local capturing, remote interaction, real-time guidance and online live stream.

-  Applicable educational scenario
Professional multi-image caster
-  15.6" FHD
Multi-touch capacitive screen
-  80% anti-packet loss
300ms ultra-low latency



4K UHD Camera




A single camera outputs dual HD images, with intelligent switching the close-up and panoramic images.

-  AF automatic focusing
Single machine double lenses
-  1/2.8" CMOS, 8M Pixel
UHD imaging
-  Smart tracking
Built-in tracking algorithm




Omnidirectional microphone

360-degree and high-definition omnidirectional voice pickup from teachers and students.

-  Double microphone synergy
-  USB audio communication
-  Built-in anti-reverberation algorithm

MAXHUB Capturing System

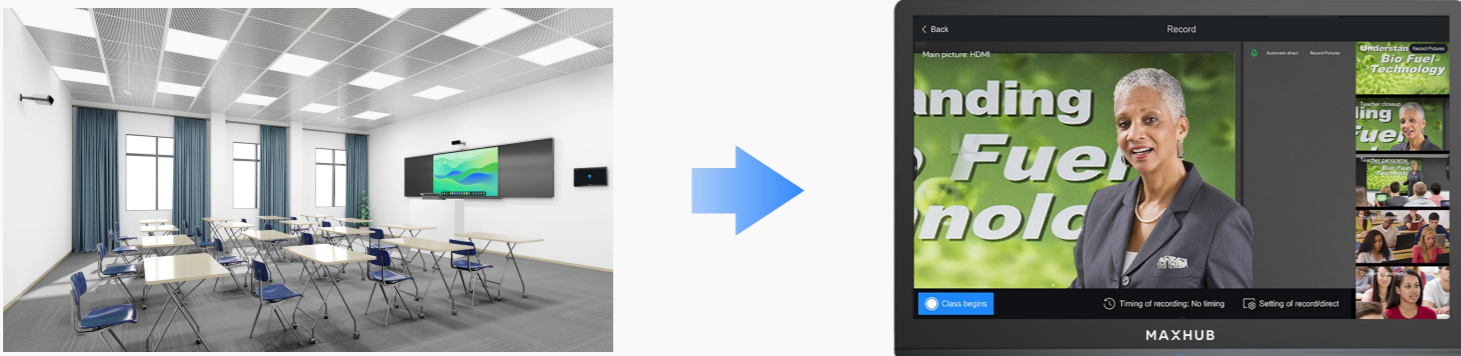
Create an effective and easy-to-use class capturing solution



Caster capturing image
IFP Courseware image
Teacher panoramic & close-up images
Student panoramic & close-up images

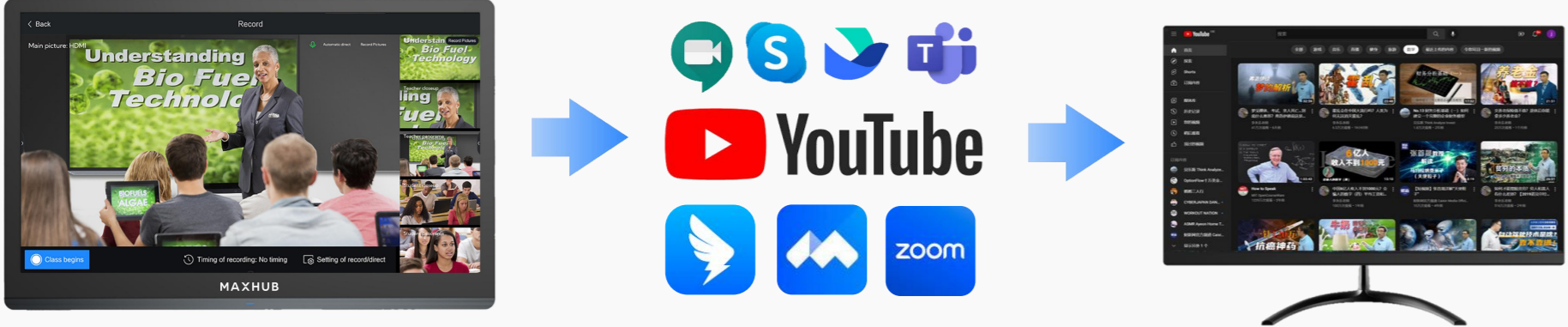
Multi-image Capture

The system provides five-channel image capturing, the high-definition course video resources are captured through automatic caster.



Automatic Caster

With accurate identification of the head and shoulder model, the multi-caster strategy meets the requirements of classroom scenario capturing.



Hybrid learning

The solution provides users with easy and powerful live streaming teaching tools in teaching remotely and disseminating courses through the internet platform.

MAXHUB Case Studies

Education Resource Support & Teacher Training



Strategic cooperation with UNESCO

CVTE has launched a strategic partnership with UNESCO ICHEI in Higher Education to support the construction of smart classrooms for higher education institutions in ten countries.



"Apricot Altar" Informatization Training for Teachers in Asia and Africa

Teacher Growth Program, Apricot Program, has provided educational information technology application trainings for 877 teachers in 53 countries and regions.



International Model for "CLEC Classroom"

CVTE has joined hands with the Center for Language Education and Cooperation (CLEC) of the Ministry of Education to establish the "CLEC Classrooms" around the world to empower the international teaching of Chinese language.

MAXHUB Case Studies

Education Product Solution Implementation



- Smart Blackboard
- MAXHUB Connect
- Capturing System

Singapore The National Institute of Education

The National Institute of Education (NIE), Singapore, is Singapore's national teacher education institute. NIE selected the smart classroom solution, consisting of the smart blackboard and capturing system.



- Eduaction IFP
- MAXHUB Connect
- MAXHUB Class

Thailand Wellington College International School

Wellington College International School Bangkok is one of the most prestigious educational facilities in Bangkok. We has provided them with a smart classroom construction solution suitable for higher education institutions.



- Eduaction IFP
- MAXHUB Connect
- MAXHUB Class

Australia Westside Christian College

Westside Christian College is a Christian school located in Goodna, Queensland. We has provided them with a smart classroom consists of MAXHUB Education IFP and software suits.

MAXHUB Case Studies

Education Product Solution Implementation



- Smart Blackboard
- Capturing System

Egypt International Smart Chinese Classroom

The Chinese Embassy in Egypt, in collaboration with CVTE, has established smart classrooms in Cairo, Egypt for the promotion of Chinese language education in the region. The construction of smart classrooms employs interactive smart tablets.



- Smart Blackboard
- MAXHUB Class
- Capturing System

Saudi Arabia International School Smart Classroom

Saudi Arabia International School has selected us as the smart classroom solution provider for the construction of a smart classroom for teaching and learning, which adopts a solution consisting of the smart blackboard, capturing & live streaming system.



- Smart Blackboard
- MAXHUB Connect
- Capturing System

Malaysia UPM Smart Classroom

Universiti Putra Malaysia (UPM) is an important partner institution in Malaysia. We has provided UPM with a smart classroom construction solution suitable for higher education institutions, which consists of smart blackboard, capturing & live streaming system.



- Smart Blackboard
- MAXHUB Connect
- Capturing System

Nepal Tribhuvan University Smart Classroom

Tribhuvan University is an important partner institution in Nepal. We has provided Tribhuvan University with a smart classroom construction solution suitable for higher education institutions, which consists of smart blackboard, capturing & live streaming system.

MAXHUB

Thanks.

 www.maxhub.com

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 sales@maxhub.com

