CoLink® Model C

DUAL-STREAM INTERACTIVE LANGUAGE LAB

ABOUT US

The group was established in 1998 and is focused on the technological development of software and hardware for language teaching and learning. In 2014, CoLink Inc. was set-up in the US to roll out the global strategy to improve global business service, scale R&D and enhance maintenance site. The Core Team behind this strategic initiative has 20 years of expertise on educational learning through software and hardware advancement.

CoLink have become a leader in research and development of audiovisual education utilizing the company's advancement in software and hardware tech for a better experience and seamless learning methodology in this field of the educational service platform.

CoLink is the No. 1 market share in the simultaneous interpretation laboratory (think tank) market in China. More-over, this technology has been used in over 10,000 language learning classrooms worldwide. To name some of CoLink's successful projects: Middlebury Institute of International Studies at Monterey (MIIS), The Graduate Institute of Interpretation and Translation (GIIT) of SISU, The Chinese University of Hong Kong (CUHK), SIM University(Singapore University of Social Sciences, SUSS), and Sydney Institute of Interpreting and Translating (SIIT).

CoLink Group owns the trademarks of NewClass®, NewCampus, and CoLink®.

CoLink offices are located in different cities in the U.S. and China, to play their functions to their respective advantage.

CoLink-USA
R&D, software supplying, maintenance (software), technical support

CoLink-Beijing
NewClass® sales & marketing in China and technical support.

CoLink-Shanghai
Technical support.

Tinyfish-Shenzhen
Hardware design and production, maintenance (hardware),
CoLink® sales work in U.S. and Europe markets.

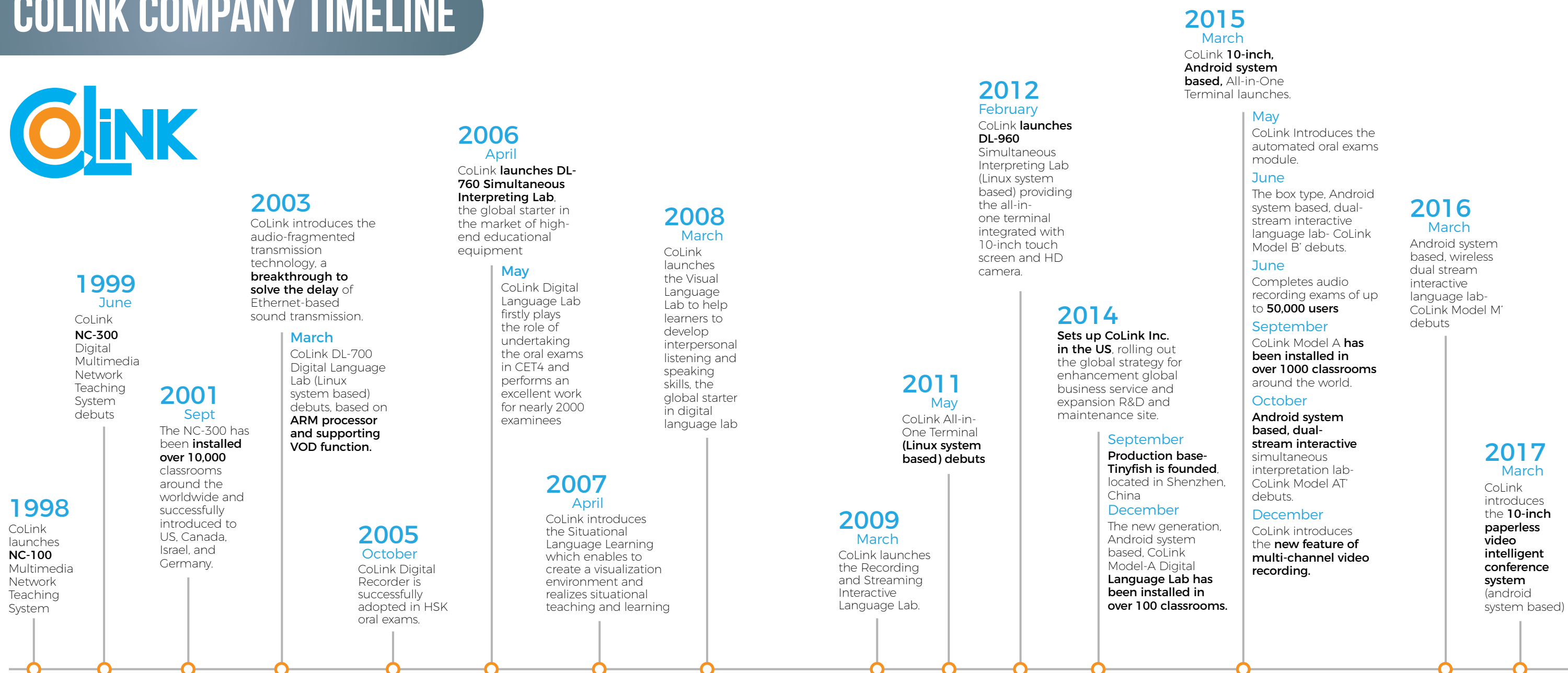## Why world-class universities, colleges and schools choose CoLink Language Lab.

COLINK
DIGITAL LANGUAGE LAB

Developed on the basis of conceptual IM-learning (Internet & Interaction, Multimedia & Mobile--learning), CoLink Digital Language Lab is an innovative and easy-operating system for language teaching and learning. With its advanced audiovisual technology, CoLink lab provides audiovisual interactive applications and enables the creation of an excellent language teaching and learning environment to help tutors and students focus more on teaching and learning in class, improving learning efficiency and outcome.

COLINK COMPANY TIMELINE

1998
CoLink launches **NC-100** Multimedia Network Teaching System

1999
June
CoLink **NC-300** Digital Multimedia Network Teaching System debuts

2001
Sept
The NC-300 has been **installed over 10,000** classrooms around the worldwide and successfully introduced to US, Canada, Israel, and Germany.

2003
CoLink introduces the audio-fragmented transmission technology, a **breakthrough to solve the delay** of Ethernet-based sound transmission.

March
CoLink DL-700 Digital Language Lab (Linux system based) debuts, based on **ARM processor and supporting VOD function.**

2005
October
CoLink Digital Recorder is successfully adopted in HSK oral exams.

2006
April
CoLink **launches DL-760 Simultaneous Interpreting Lab**, the global starter in the market of high-end educational equipment

May
CoLink Digital Language Lab firstly plays the role of undertaking the oral exams in CET4 and performs an excellent work for nearly 2000 examinees

2007
April
CoLink introduces the Situational Language Learning which enables to create a visualization environment and realizes situational teaching and learning

2008
March
CoLink launches the Visual Language Lab to help learners to develop interpersonal listening and speaking skills, the global starter in digital language lab

2009
March
CoLink launches the Recording and Streaming Interactive Language Lab.

2011
May
CoLink All-in-One Terminal **(Linux system based)** debuts

2012
February
CoLink **launches DL-960** Simultaneous Interpreting Lab (Linux system based) providing the all-in-one terminal integrated with 10-inch touch screen and HD camera.

2014
Sets up CoLink Inc. in the US, rolling out the global strategy for enhancement global business service and expansion R&D and maintenance site.

September
Production base-Tinyfish is founded, located in Shenzhen, China

December
The new generation, Android system based, CoLink Model-A Digital **Language Lab has been installed in over 100 classrooms.**

2015
March
CoLink **10-inch, Android system based,** All-in-One Terminal launches.

May
CoLink Introduces the automated oral exams module.

June
The box type, Android system based, dual-stream interactive language lab- CoLink Model B' debuts.

June
Completes audio recording exams of up to **50,000 users**

September
CoLink Model A **has been installed in over 1000 classrooms** around the world.

October
Android system based, dual-stream interactive simultaneous interpretation lab- CoLink Model AT' debuts.

December
CoLink introduces the **new feature of multi-channel video recording.**

2016
March
Android system based, wireless dual stream interactive language lab- CoLink Model M' debuts

2017
March
CoLink introduces the **10-inch paperless video intelligent conference system** (android system based)

Our DNA

Vision and Commitment

As a supplier and partner of technology-focused products and service, CoLink will be a helper in this niche industry, building an interactive, professional, and enjoyable learning environment, to engage more learners to fall in love with the time in the classroom.
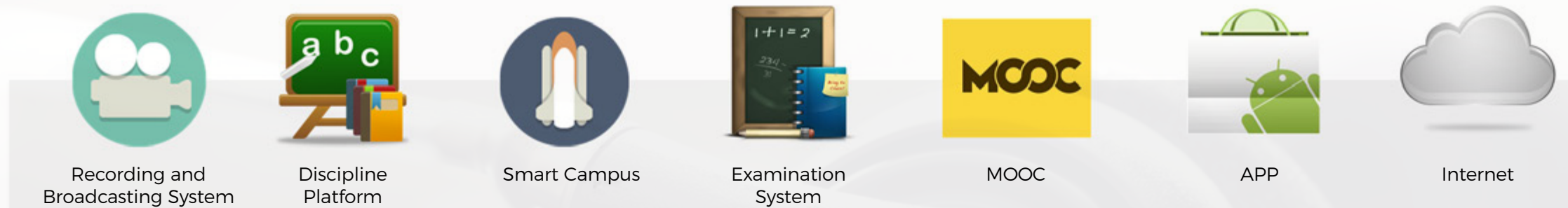
User-centered designed; we are committed to our partners' success, and will continuously build our excellent brand and reputation in all of our markets.

United States of America
NEWCLASS

United States of America
COLINK
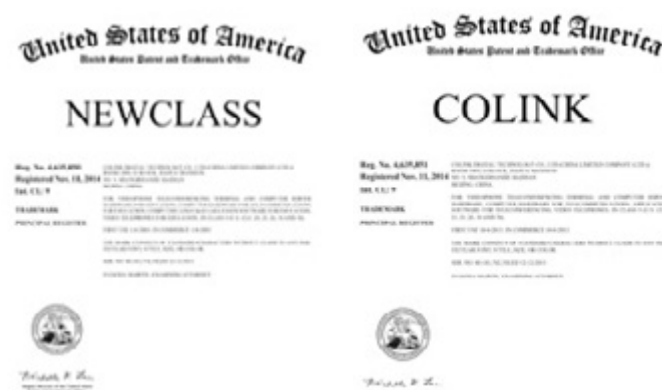
CE Certificate   FCC Certificate   3C Certificate   QMS Certificate   EMS Certificate   OHSMS Certificate

SYSTEM COMPOSITION

Recording and Broadcasting System

Discipline Platform

Smart Campus

Examination System

MOOC

APP

Internet

Control Unit

Ethernet Switches
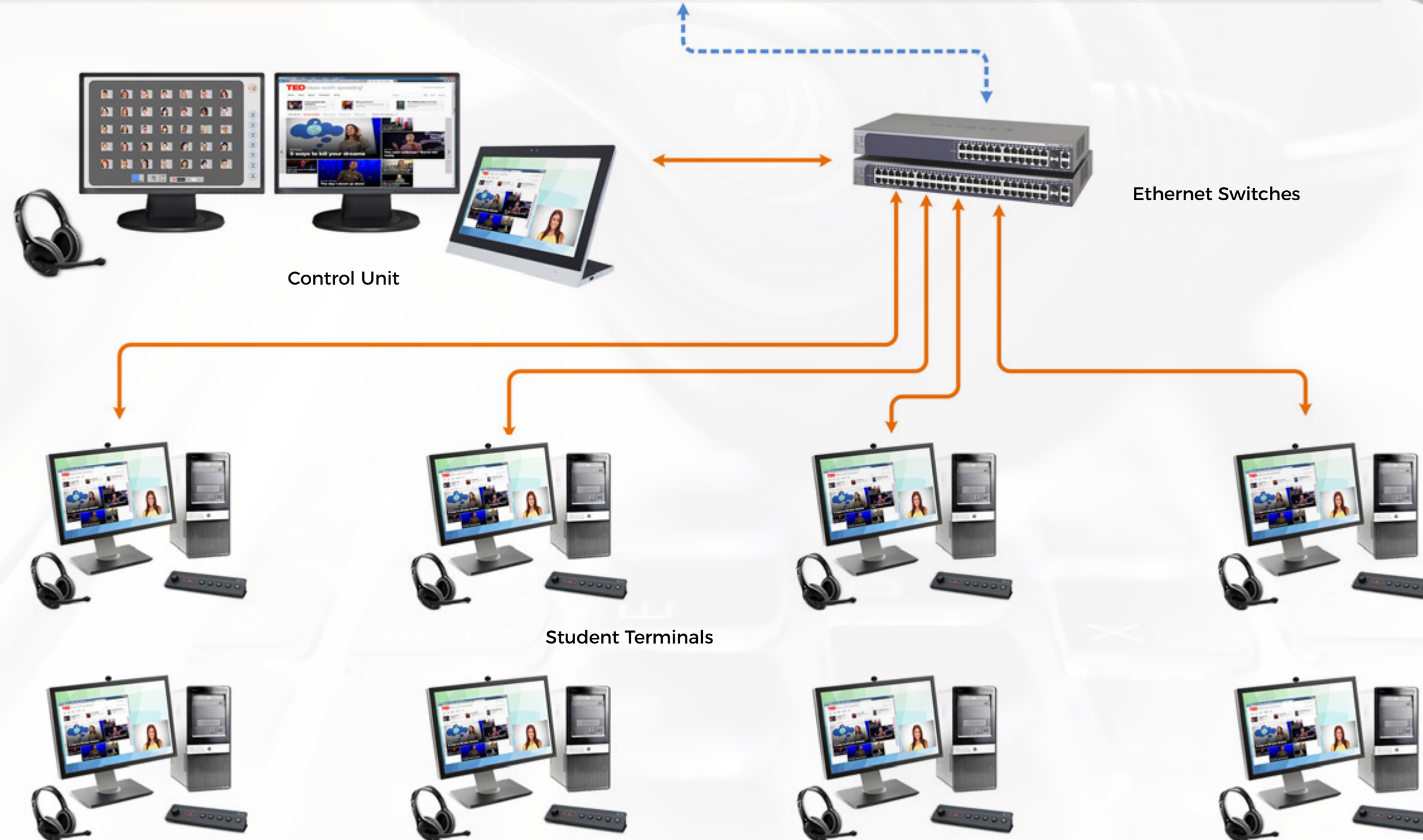
SYSTEM STRUCTURE

The system transmits information without conversion and can be directly connected to the internet. Based on Ethernet architecture, the connection between control software, network switches and learning terminal, which is ultra-simple and clear. No professional installation and management required.

Student Terminals

CONTROL UNIT/TUTOR EQUIPMENT

- Equipment components: CoLink all-in-one touchscreen terminal, computer with double monitors
- Software: standard Windows operation interface

coLink

With CoLink's unique patented audiovisual data transmission and algorithm technology, successfully realize a combination of features of excellent broadcasting and high-quality video to video communication, and allows teachers to create a vivid interactive learning environment.

SYSTEM & SOLUTION:

- Cutting-edge software and hardware design, with its unique "audio-fragmented transmission technology" and algorithm technology, enables the delay of sound transmission within 3ms.
- With dual-stream technology, CoLink Language Lab simultaneously displays broadcasted screen and class live communication videos, and ensure a high quality of definition and continuity;
- Adopts professional audio processing chip, furthermore, professionally tune the surrounding circuit, to ensure a high acoustic fidelity and perfect acoustic curve.
- High sound sampling standard of 16bit / PCM 48KHZ, sound sampling and transmission are not compressed, ensuring a CD level sound quality;
- Supporting wireless screen broadcasting function, allows users to broadcast any material from anywhere in the classroom;
- Windows systems based, entering deep into the basis of system operating, realizes unified installation, unified control, unified anti-virus, unified management, and easy maintenance.
- PoE (power over Ethernet) power supply, and easy wiring on site

PRACTICE UNIT/STUDENT EQUIPMENT

- Equipment composition: CoLink Model C Language Learning Terminal, CoLink professional headset microphone group, computers.
- Operation system: On Win7/Win8 (operation environment), CoLink Model C software

MODEL C LEARNER TERMINAL:

- Conforms to the standard for the design of industrial products
- Professional panels for volume and speech control
- Excellent extension capability
- Sound transmission, no delay

OPERATION INTERFACE, EASY TO USE

The system provides a simple control interface for the tutor, who, even a first-time user, will find the system easy to operate.

- All the key functions are readily accessible on screen; the use of teaching functions intuitive and convenient;
- Interface for WINDOWS system touch operation was specially optimized, easy to use;
- To meet the needs of different users, the system settings can be customized and support multi-language interface display.

MODEL C TEACHER TERMINAL (ALL-IN-ONE TOUCH SCREEN TERMINAL):

- Conforms to the standard for the design of industrial products
- Quad-core ARM processor, 100M interface
- 10 inch IPS HD screen
- Multi-point touch screen (no mouse or keyboard requested)
- Built-in high-definition camera with flash function, fiber optic sensor
- Integrated and light-based indicating system for speak broadcasting
- Only 8.9mm thickness and supported by a high-strength metallic holder

FUNCTION & APPLICATION

VIDEO-BASED INTERACTIVE TEACHING AND LEARNING

Display a vivid communication Video image between tutor and students using the video-based interactive function. A unique and important function serves as the basis of key functionalities in the system. With the inserted camera at the terminal, realize a real-time audiovisual communication between tutors and students; and thanks to CoLink's unique data transmission technology and algorithm technology, the communication Video image can be ultra-fast transferred to each terminal in the system, helping to make each student in the class feel involved.
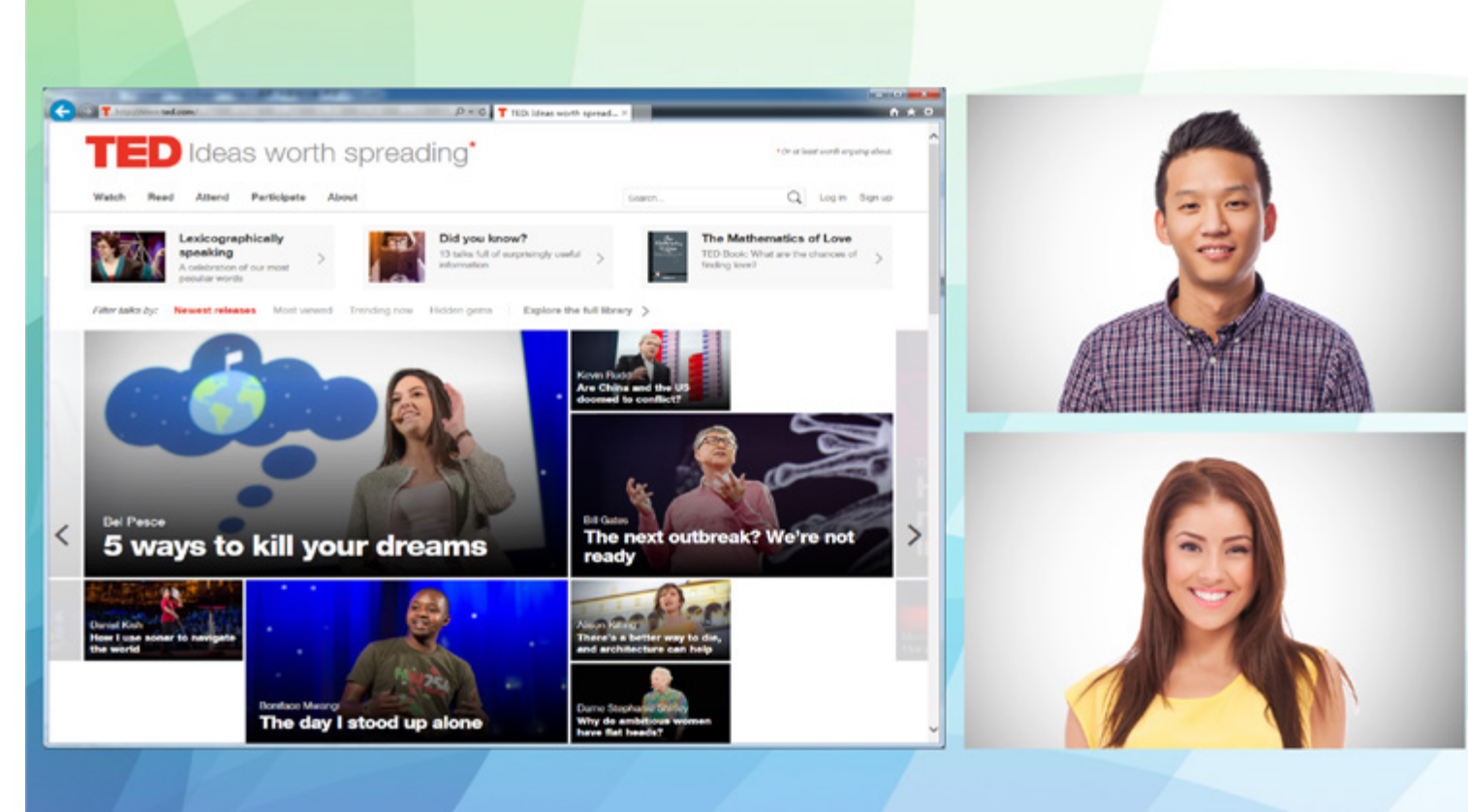
HIGH-DEFINITION DUAL-STREAM INTERACTIVE TEACHING AND LEARNING

A solution that easily broadcasts teaching content and enables real-time video interactivity at the same time. CoLink provides a hyper-interactive teaching and learning technology to synchronously realize the features of broadcasting and real-time video communication. With CoLink dual-stream interactive teaching and learning application, the teaching materials (such as Flash, video files, webpages, etc.) are clear and can be transferred to the students' terminal at a high frame-rate and on which simultaneously display the real-time communication video image.

FACE RECOGNITION/ ATTENDANCE

With the built-in camera, the application quickly performs facial recognition and collects the facial photos for the whole class, forming a seat layout of student's avatar corresponding to the seat number or name, displayed on the monitor screen. The seat layout allows the tutor to view sand save a file of the present and absent students, and also a good reference for class teaching.
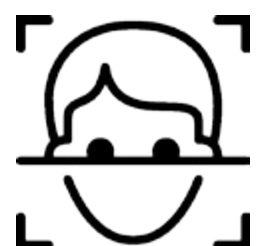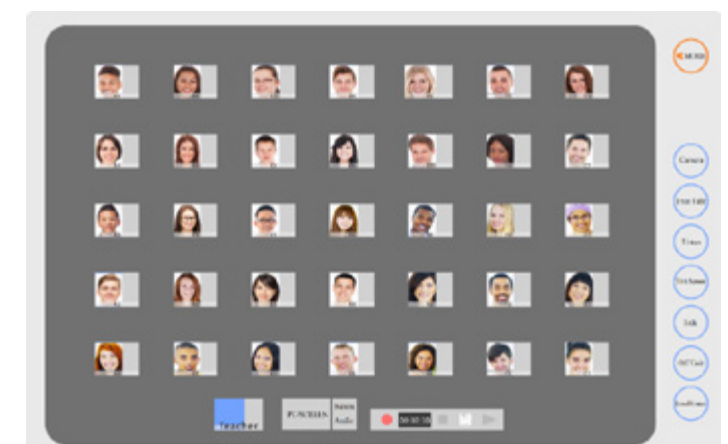
ALL-DIGITAL DUAL-TRACK RECORDER

Provides learners with essential features that are very useful for language learning. It has two-track sound collecting and recording, and correspondingly generates two separate, all-digital files (in .MP3) of the source language and target language (floor language and relay language). In addition, it supports playback in four playing modes: floor language only, relay language only, floor language on left with relay language on the right, and mixing.
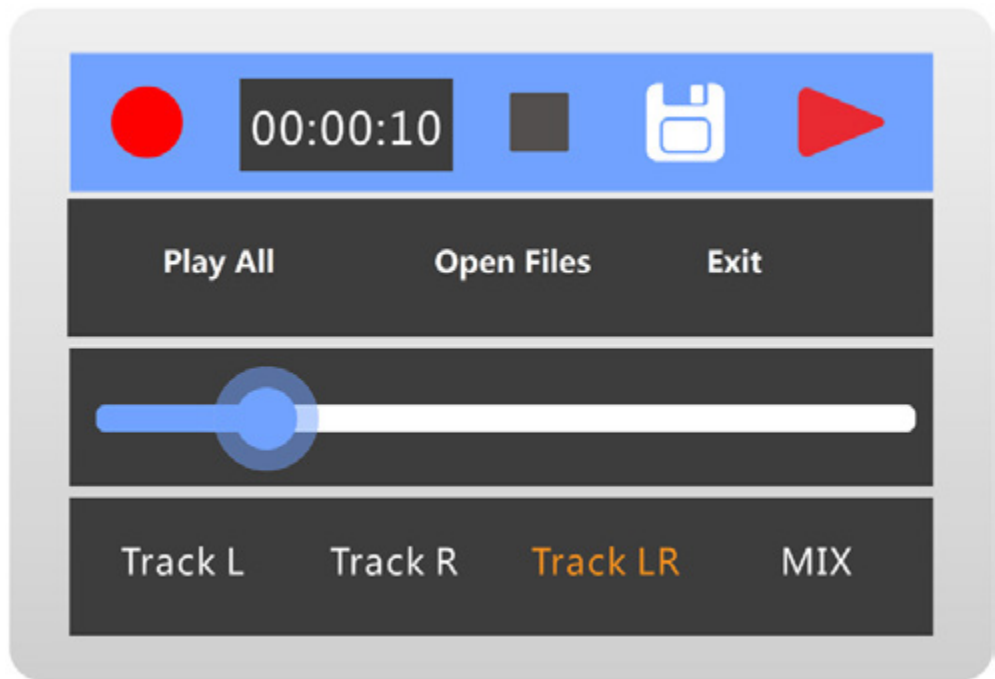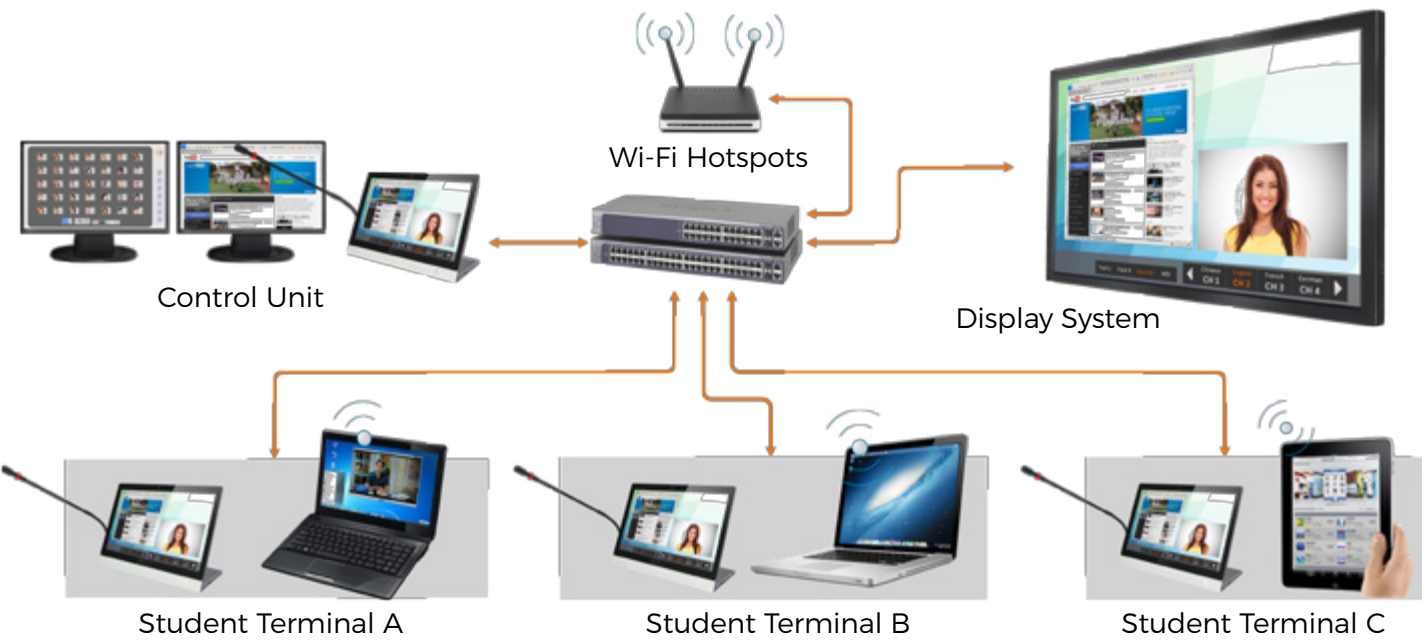

MULTI-CHANNEL VIDEO RECORDING AND STREAMING

Realize up to **256 seats simultaneously** recording videos of training or test, and also support video playback and demonstration. Working with the dual-track recorder to realize the needs for individualized teaching.
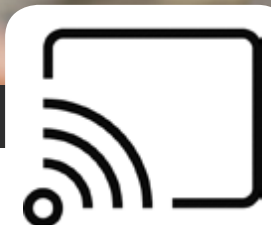
WIRELESS SCREEN BROADCASTING

An easy operation to display any learning material from anywhere in the classroom, enhance the collaborative learning experience in class. This set allows all students in the class to share their own multimedia courseware and real-time audiovisual material, and that is not only delivered to the public screen, but also to each terminal in the classroom. As shown below, the function can be achieved very easily. Connecting the laptop to the system through WIFI, authorization, then the screen can be broadcasted in the system.

Control Unit

Wi-Fi Hotspots

Display System

Student Terminal A

Student Terminal B

Student Terminal C

GROUP VIDEO SESSION

A modern method to do group session practice, interesting and high-efficiency. The CoLink Group Video Session ingrates the features of real-time video communication, broadcasting, and dual-track recording. It enables students to have real-time "face to face" communication practice in groups, simultaneously receiving the broadcasting information. On the other hand, teachers can enter any group discussion to provide guidance and record the whole session with the dual-track recorder.

Group discussion is in progress: the same group members A2, A3, A5

VIDEO-BASED INTERACTIVE SIMULTANEOUS INTERPRETING PRACTICE

D ifferent from the traditional simultaneous interpretation training, CoLink adds video and dual-track recording features into the application. It allows the learners to hear and see the speaker, to help them have a better understanding of the source language. In addition, through the live video recording function, the interpreters can also synchronously make facial and posture training. On the other hand, the combined features of dual-track recording and live video recording will greatly help the tutor in providing guidance and in assessing the work of students.

The feature can support up to 4 learners to practice at the same time. Includes 4 modes for playback: floor language only, relay language only, floor language on the left track with relay language on the right track, and floor-relay mixed.
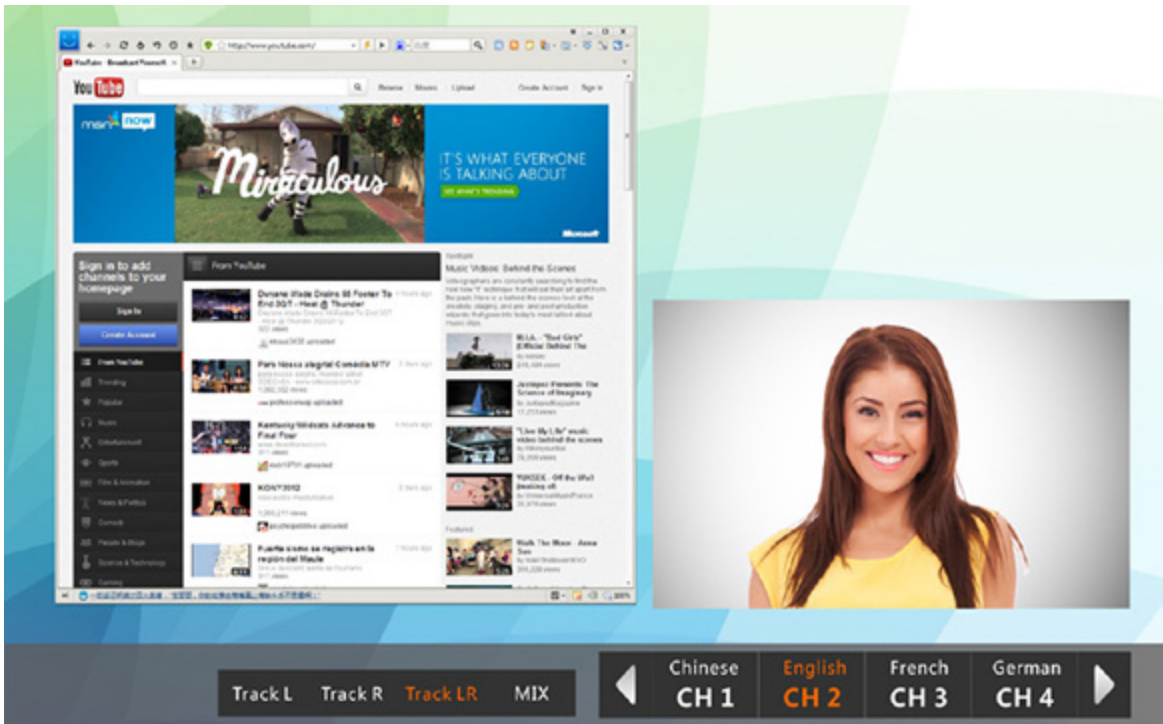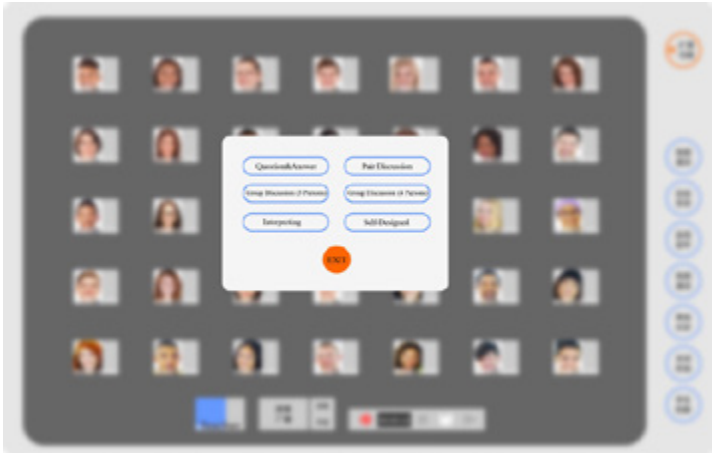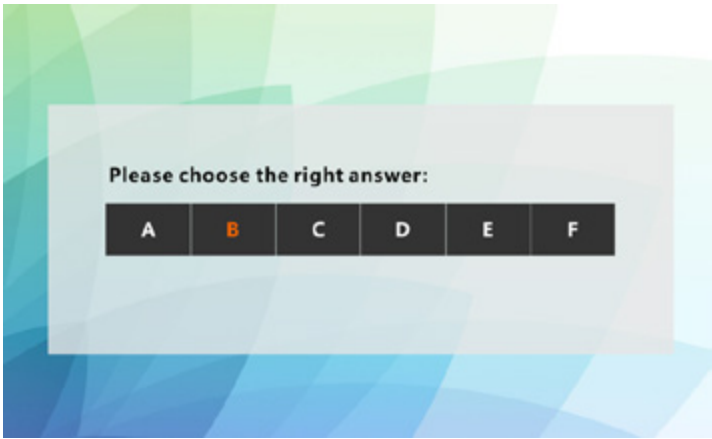
EXAMINATION SYSTEM

ORAL TEST

The oral test module tightly meets network test needs and includes the following features:

- Real-time compress the digital recording files to ensure a minimized size for sound quality (fidelity).
- Automatically store the recording files to the requested server (local or remote).

QUIZ

With the built-in quiz program, tutors can prepare a quiz question such as multiple choice, judgment of the wrong type, etc. It's a good tool for student enforcement and feedback.

Please choose the right answer:

A B C D E F

EXAMINATIONS

Applicable Examinations: TEM-4, TEM-8, HSK (listening exams & oral exams), BFT (listening exams & oral exams), General oral exams, etc. The application has the following features:

- Exam process, format, content, and time duration can be set as required
- Supports dual-backup storage of test results on both of server and student terminal
- Automatically audition, complete a classroom audition in 5 seconds
- Real-time compresses the digital recording files of test results to ensure a high acoustic fidelity at the same time minimizing the storage

SELF-LEARNING MODULE

Android system based, it provides a free and open learning platform and integrates with the modern learning methods (MOOCS, Flipped Classroom and other self-learning applications) to help students to improve their self-learning experience in an open, resource-rich, and professional learning environment.

USB FILE DOWNLOADING

The CoLink terminal is equipped with a USB interface. With a U disk, learners can download files, recordings, and other needed information from the system.

SELF-TRAINING PLAYER

With the self-training player application, students can choose to listen to or to speak in various forms of independent training methods, such as variable speed playback, SP mode play (set the number of sentences and pause time), repeat training, sight translation, movie dubbing, and simultaneous professional training; and it also supports single or dual track recording and a variety of playback modes for self-review; moreover, the audio and video-on-demand function provide students with an independent audio-visual learning experience. It is compatible with a variety formats: MPEG1, MPEG2, MPEG4, MP4, AVI, MKV, FLV, RealAudio, RealMedia, WMA, WMV, MP2, MP3, OGG, etc.

OPEN WINDOWS PLATFORM, UNLIMITED INTERNET EXTENSION

CoLink Model C Language Lab is based on Windows system, with quality hardware and Internet access compatible software, supports a variety of online learning methods to ensure a good experience of online learning, very well adapting today's educational new fashion (MOOCs, flipped classroom, micro-class, etc.). It allows the learners to experience the class from a "physical classroom" expanding to an unlimited internet world. In the independent learning mode, it opens a high efficient web browser to student units.

Therefore, students have the right to access to the Multi-discipline learning platform under the campus network for learning materials, teaching videos, practicing, test materials, internet visiting, furthermore, calling the rich applications.

In a tide of educational APPs, online courses in the future requires compatible or customized tools for interaction. Customized tools need to be developed as required by the courses, and online courses need to be built as APPs. The CoLink student terminal is operated on an open Windows platform, which is able to integrate online education APPs from home and abroad. APPs from different disciplines can be also installed into the system as required by users.
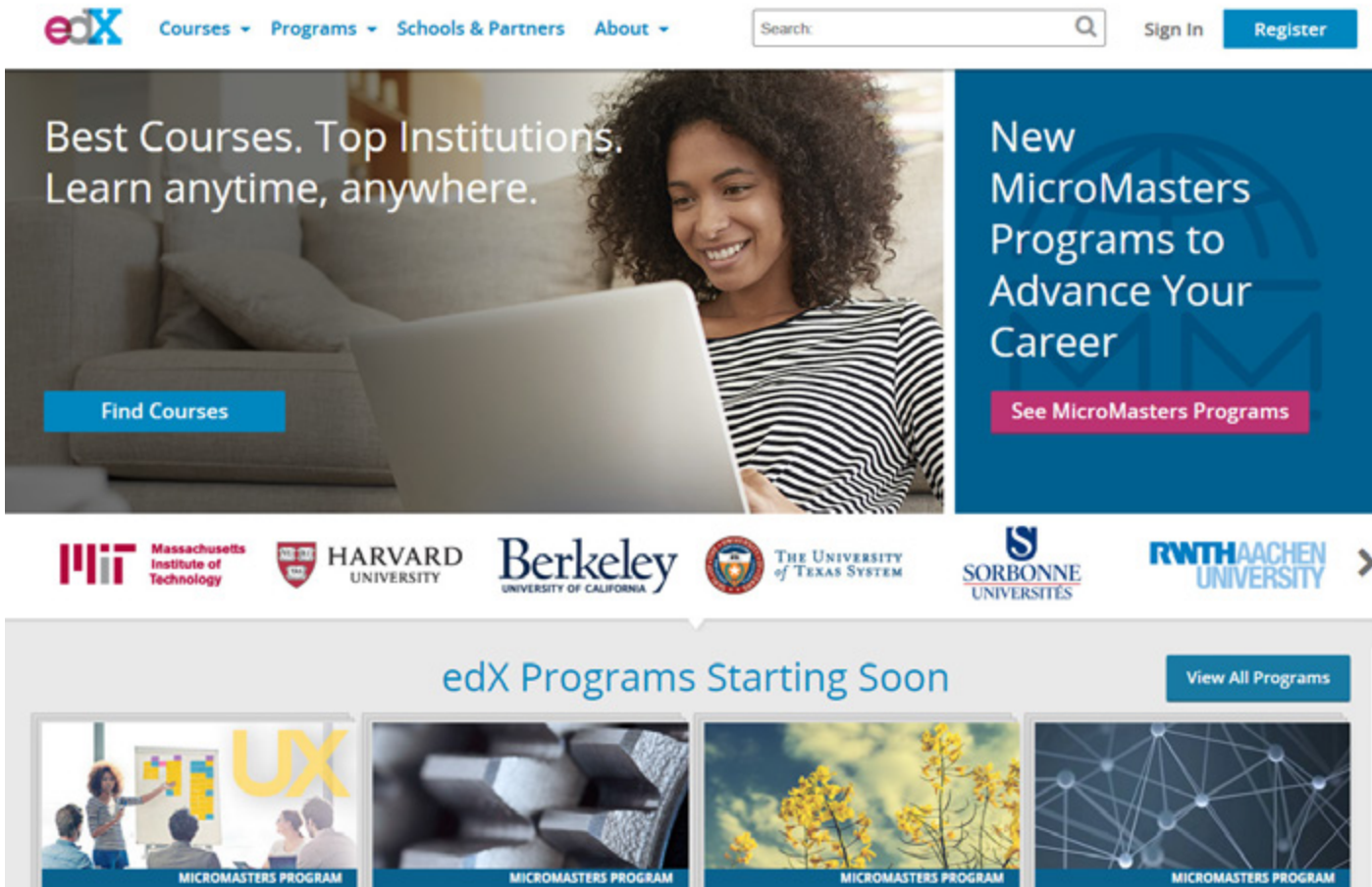
This document describes the basic features of the CoLink Model C Dual-Stream Interactive Language Lab, whichis used by language lab equipment construction units, language educators, and foreign language learners.

Product pictures are for reference only, please prevail in kind. Features and specifications are subject to changewithout notice, all rights reserved. Please request the latest version of this document in a timely manner.

SYSTEM TECHNICAL SPECIFICATIONS

Internet

· Conforms to standard IP protocol
· Universal Ethernet switch, 100M Ethernet

Model C terminal-teachers

(All-in-One touch screen terminal)

· Processor: ARM quad-core processor
· Network communication: Ethernet 100M
· Audio: headset / microphone (ϕ3.5, stereo)
· Screen: 10 inch 1280 × 800
· Touch screen: multi-point capacitive touch screen
· Camera: 5 million pixels, equipped with flash function
· Sensor: fiber optic sensor
· USB interface: USB × 4
· Power supply: PoE power supply or DC 12V
· Speak indicating light: red
· Operating System: CoLink operation system (Android based)
· Size: 25.2cm(L)*10.6cm(W)*17.2cm(H)/9.9in(L)*4.2in(W)*6.8in(H)

The Set of Headphone and Microphone (Stereo)

Headphone

· Frequency response: 20Hz ~ 20KHz
· Impedance: 32Ω
· Sensitivity: ≥ 108dB (1mw, 500Hz)

Microphone

· Frequency response: 200Hz ~ 8KHz
· Impedance: 2200Ω
· Direction: unidirectional
· Sensitivity: -42dB

Model C terminal-learners

· Audio: headset / microphone (ϕ3.5, stereo)
· Processor: X86 architecture
· Operating system: Windows
· Network communication: Ethernet
· Speak indicating light: red
· Operation panel: Volume adjustment, speaking button

CoLink® Model C

DUAL-STREAM INTERACTIVE LANGUAGE LAB

CoLink Inc.

📍 4550 Hallmark Dr., Dallas, TX 75229 USA

📞 +1 (805) 666 2350

✉️ info@colink.com

🌐 www.colink.com

Tinyfish

📍 8th Floor, Building A, Block 5#, Skyworth Inno Valley, No.8 Tangtou 1st Road, Shiyan, Bao'an District, Shenzhen, China.

📞 +86 755 23305966

✉️ info.shenzhen@colink.com