



# RECORDING & BROADCASTING SOLUTION FOR EDUCATION

-Interactive  
-Smart  
-Remote



#### Smart Education

- Video interactive website
- Live class broadcast
- Smart teaching & learning tool



#### Management

- Course analysis & comment
- Teacher evaluation & development



#### School display

- Course
- Introduction
- Teacher information



Dahua Technology Co., Ltd. (Shenzhen Stock Exchange: 002236.SZ) is a world-leading manufacturer and supplier of intelligent security surveillance products and solutions headquartered in Hangzhou, China. With more than 10,000 employees all over the world, Dahua solutions, products and services are used in more than 180 countries and regions.

With many years of experience and success in the video & audio industry, Dahua provides friendly online education system for live course broadcasts and class recordings, as well as a cloud-based management platform.

## ABOUT RECORDING & BROADCASTING

Recording & Broadcasting System is a one-way broadcasting system installed in the classroom.

Lessons, videos of student interactions, and other course materials are stored on hard disk or uploaded to the cloud after being processed in the platform.

Dahua takes advantage of industry-leading image acquisition, processing and image analysis, technologies to improve the cloud-based remote education experience.

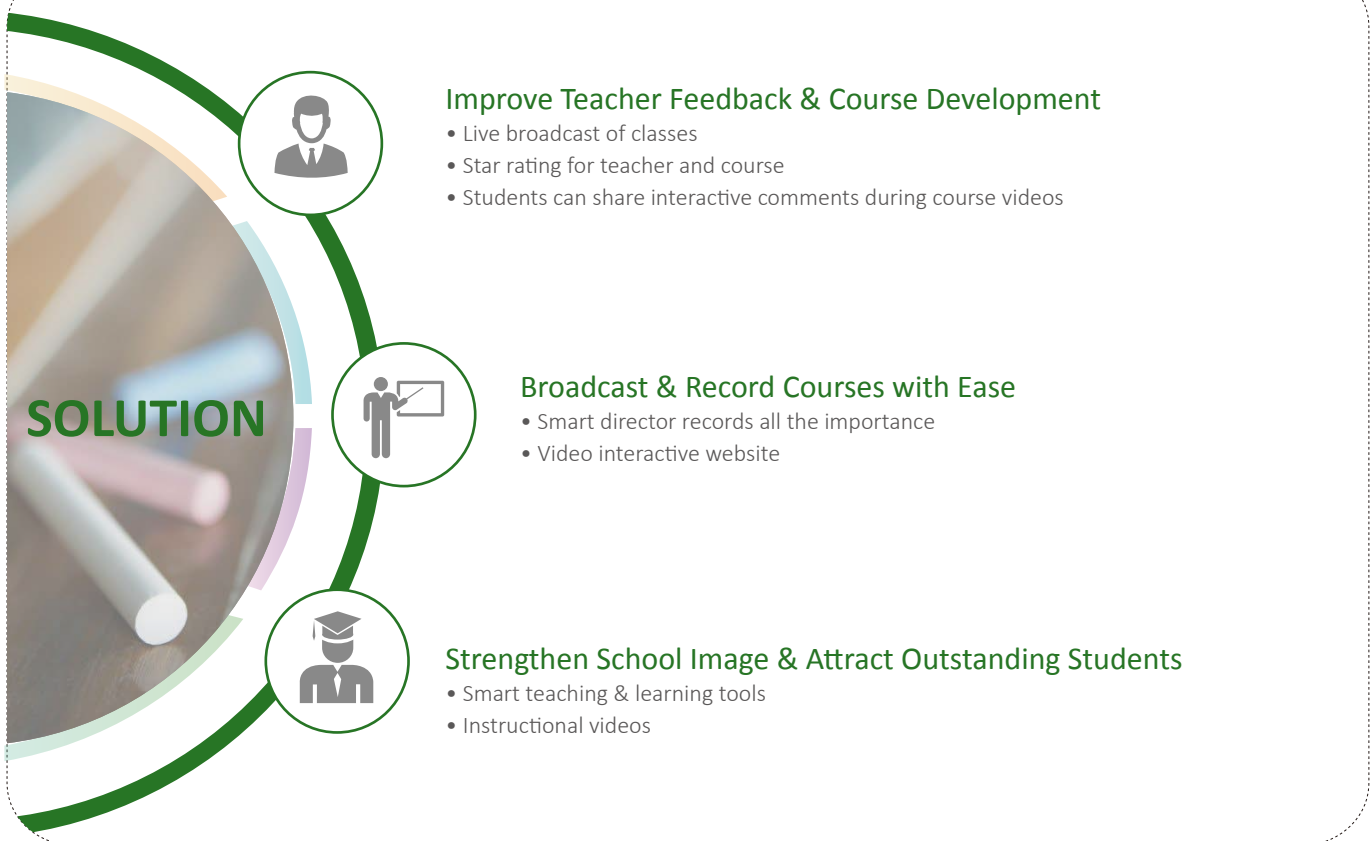


# EDUCATION CHALLENGES

## Challenges



## Solutions

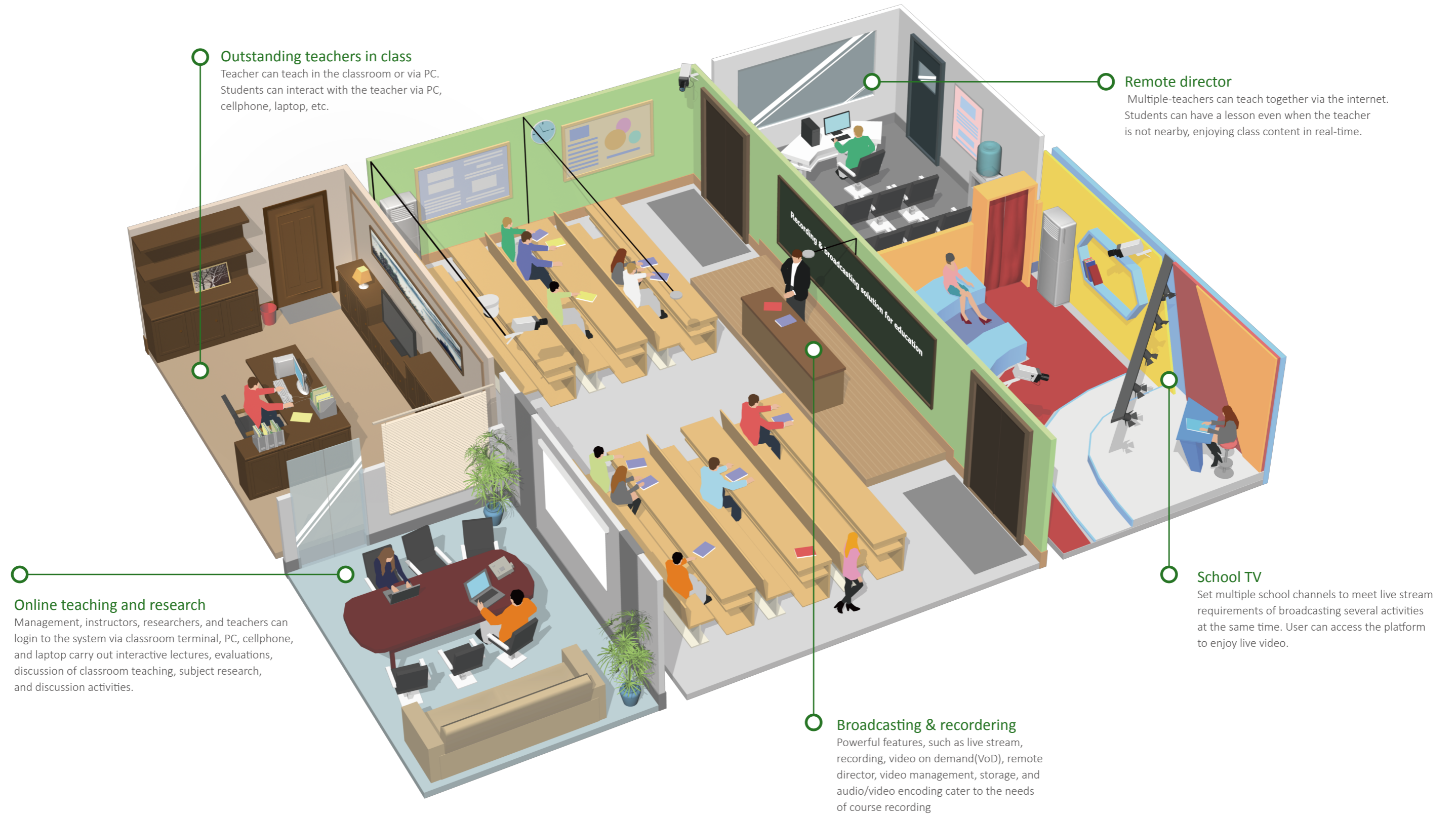


## WHAT CAN OUR SOLUTION PROVIDE?

### Smart Features Cater to Your Needs



## EDUCATION LAYOUT

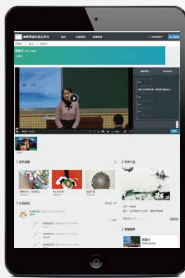


## SOLUTION DETAILS

### Smart Education

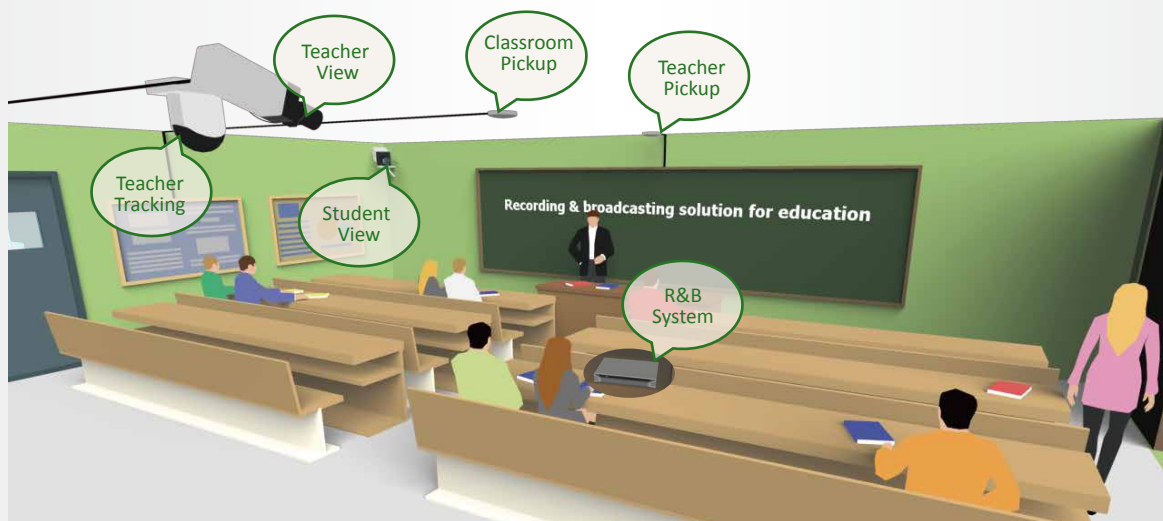


- Real-time course broadcast
- Smart teaching & learning tools



- Video interactive app
- Live & VOD, can take notes and leave comments

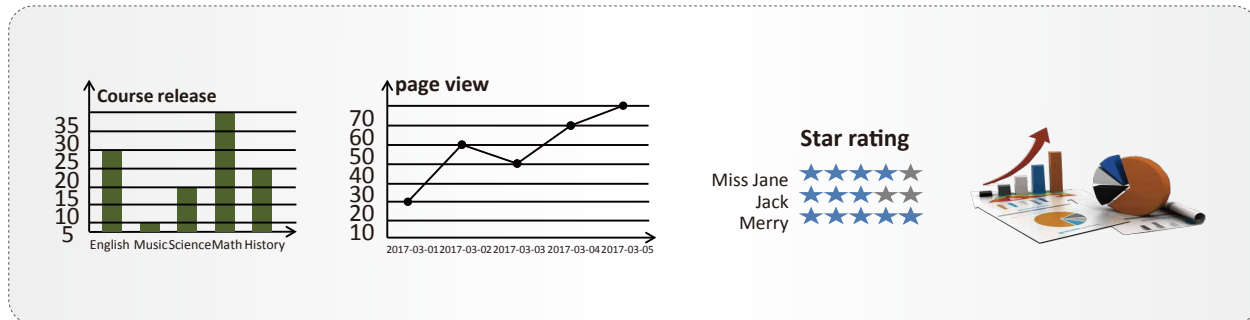
### Smart teaching & learning tools



## Management

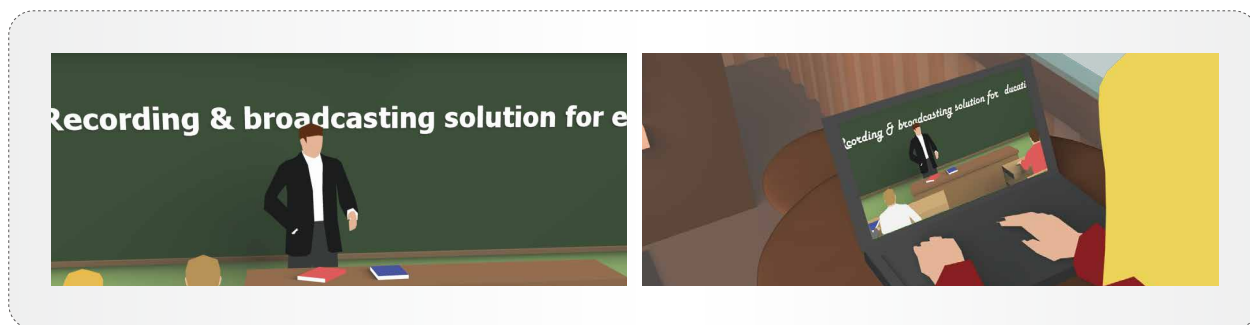
### Course analysis & comments

Students, teachers, and managers can write comments on the website when watching video courseware. Managers can read course analysis details and reports to get a glimpse of course progress to get a glimpse of course progress and see feedback.



### Teacher evaluation & development

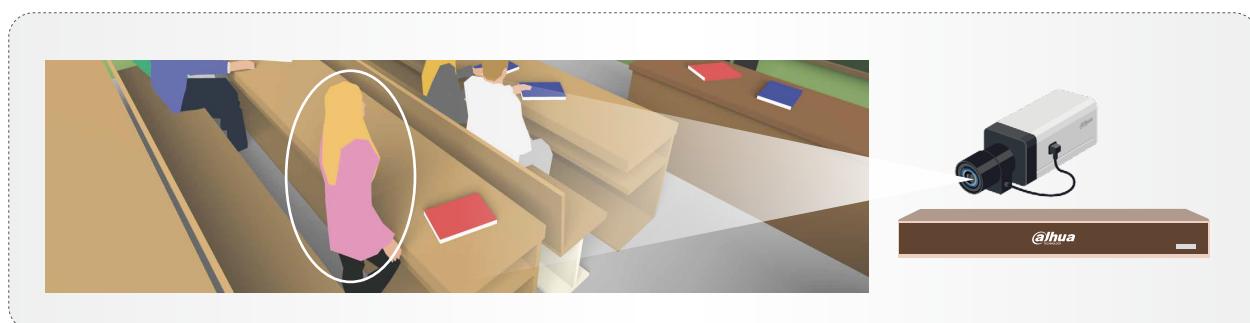
Teachers can view course analysis and comments to see what can be improved in their classes. They can also view and interact with other teachers in order to strengthen their own methods.



## Smart Director

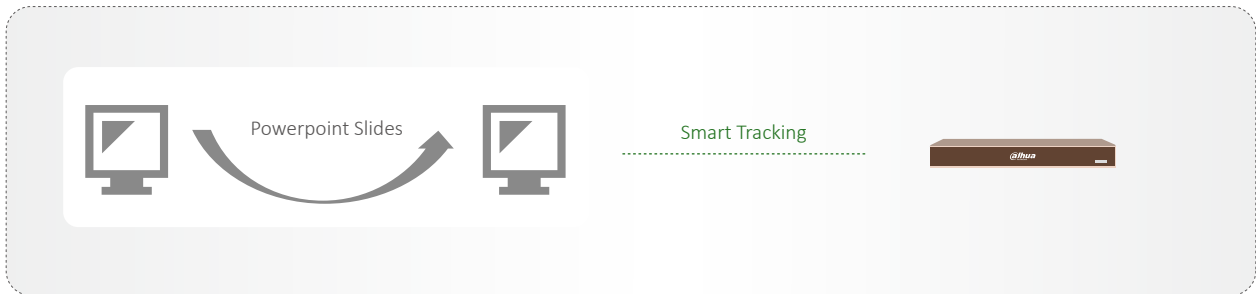
### Powerpoint & Standing detection

When a student stands up, Smart Director detects movement and records video for the entirety of the action so viewers won't miss a beat.

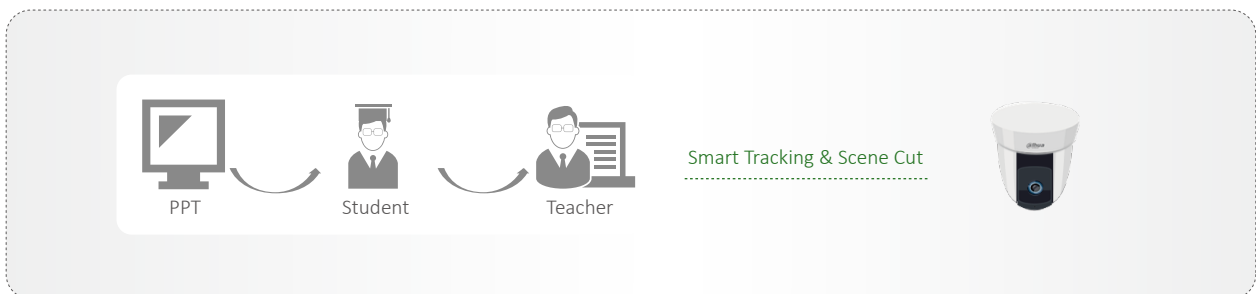




Smart Director detects when powerpoint slides are changed, recording the slide view long enough for users to process all information clearly



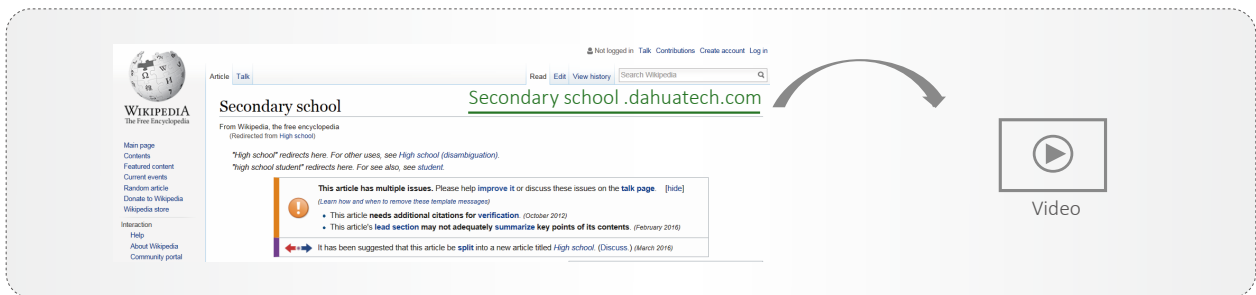
Smart tracking & Scene cut



## School Display

Course video can be made public and put on the school website, allowing potential students to view school course, introduction, and teacher information.

Attract students with ease.

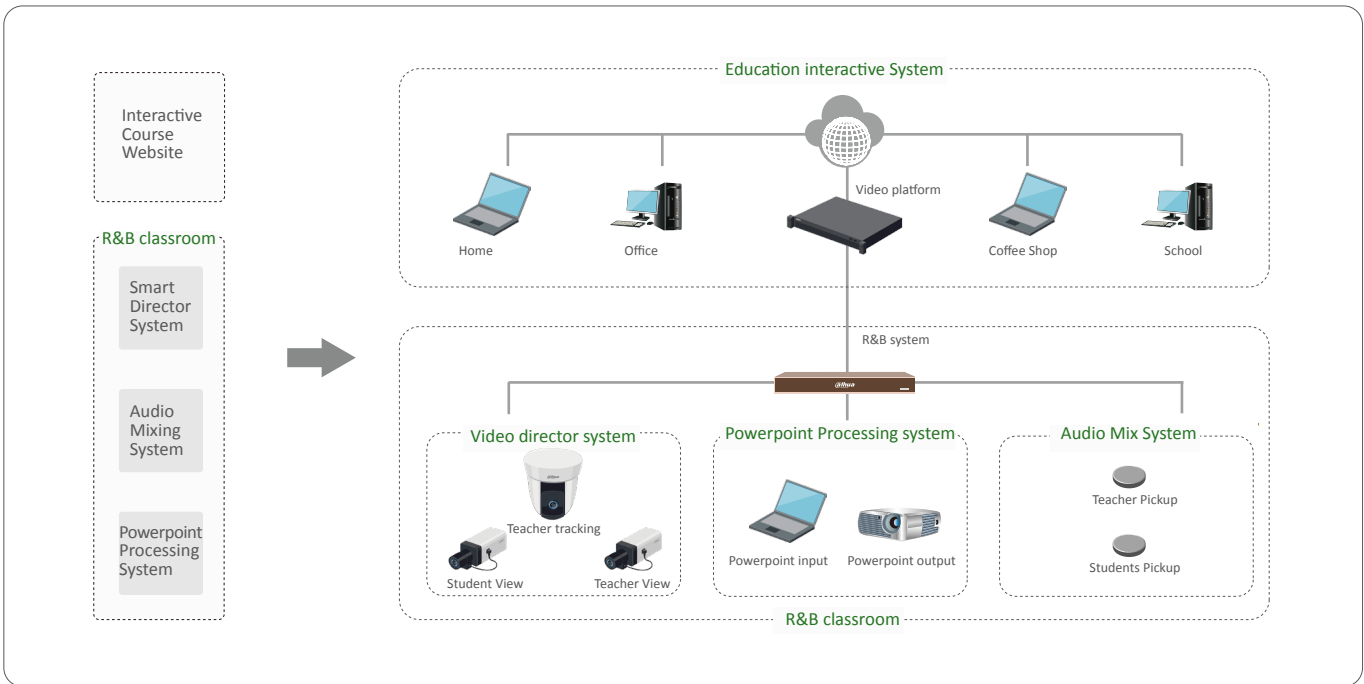


Teachers may start and stop recording of courses at anytime. When finished, courses are automatically uploaded to the Cloud.

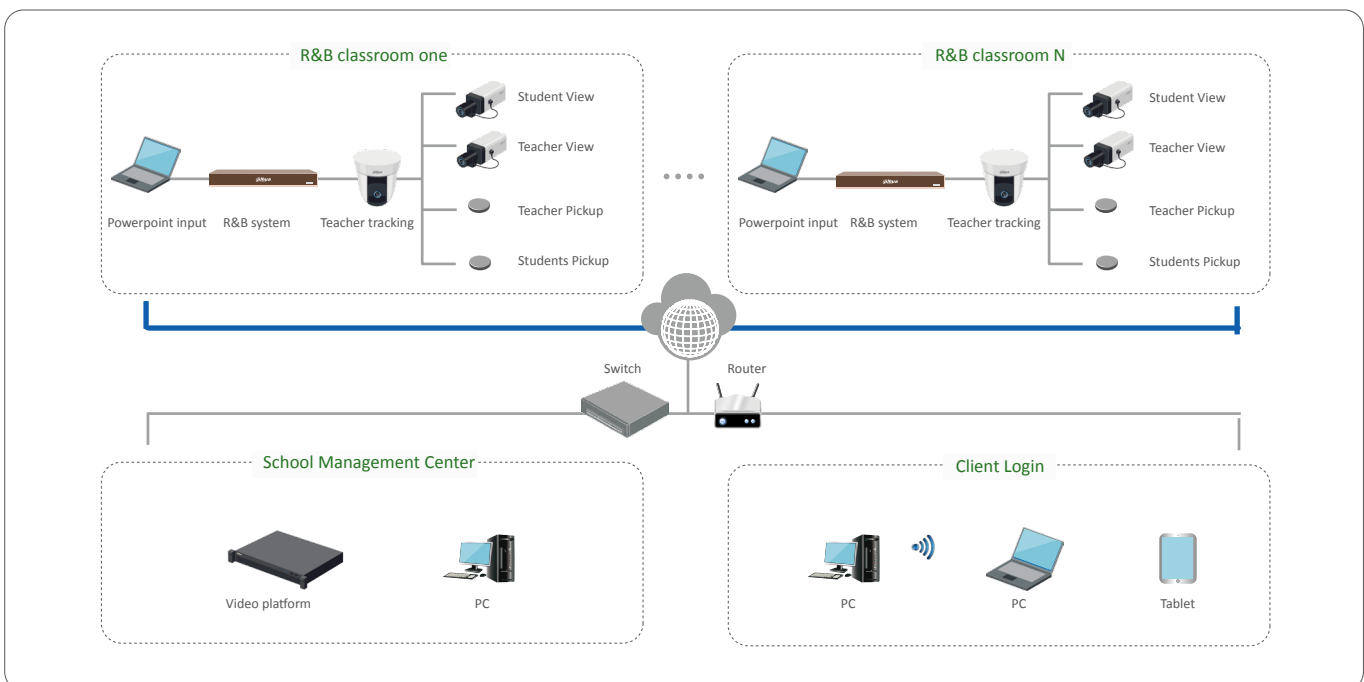


# SOLUTION STRUCTURE AND DIAGRAM

## System Structure



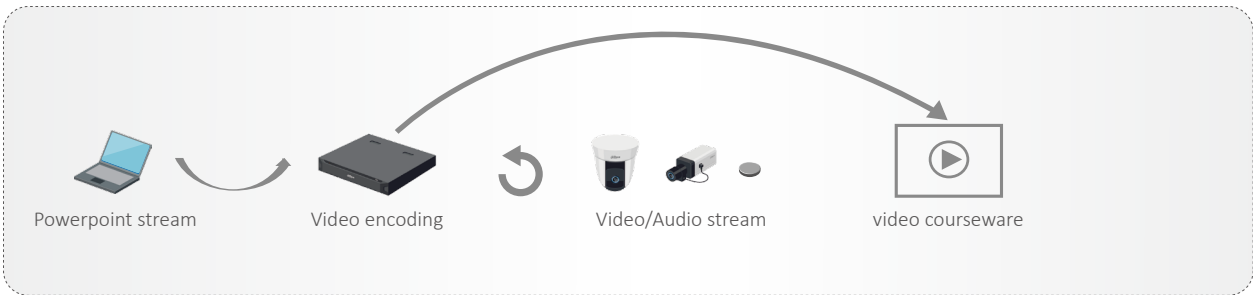
## System Diagram



# HIGHLIGHTED TECHNOLOGY

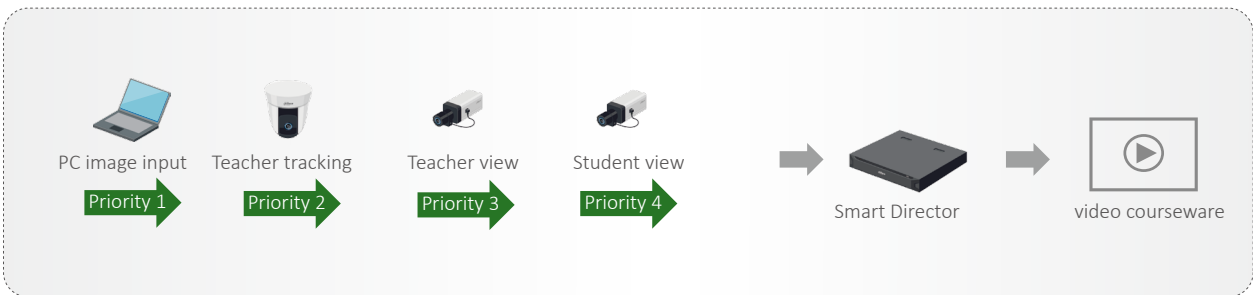
## VGA/HDMI Input

With VGA or HDMI encoding, video courseware can show teacher lectures, student questions, and Powerpoint presentation. making you feel as if you're in the classroom.



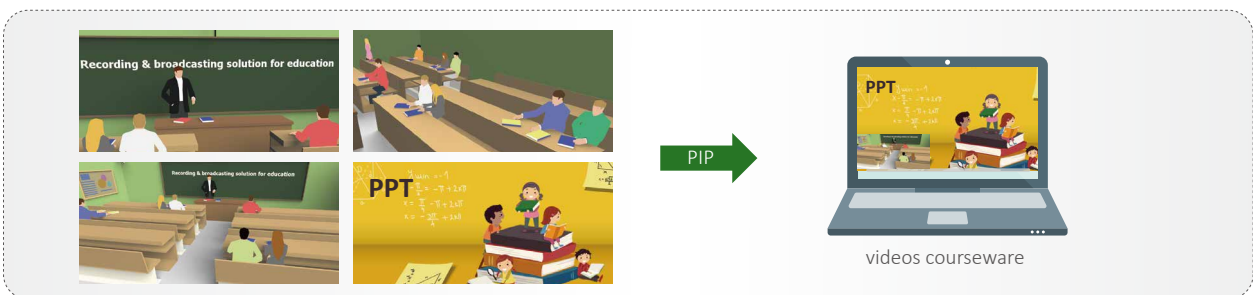
## Smart Director

Smart director can record the important most details of the class and give the students a complete class video. When the teacher switches Powerpoint slides, it will record the slide for several seconds. When the teacher moves on the platform, it will track and record the teacher's movement. When a student stands up and answers a question, it will record the student. When the teacher walks around the classroom, it will record the teacher throughout the whole classroom.



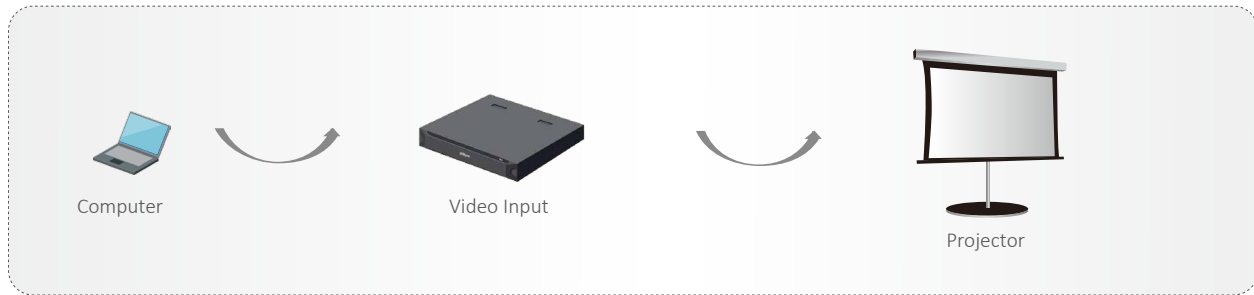
## PIP and Split Screen

PIP means picture in picture. It makes it easy to watch class video. With PIP and Split Screen the video layout can be customized according to importance.



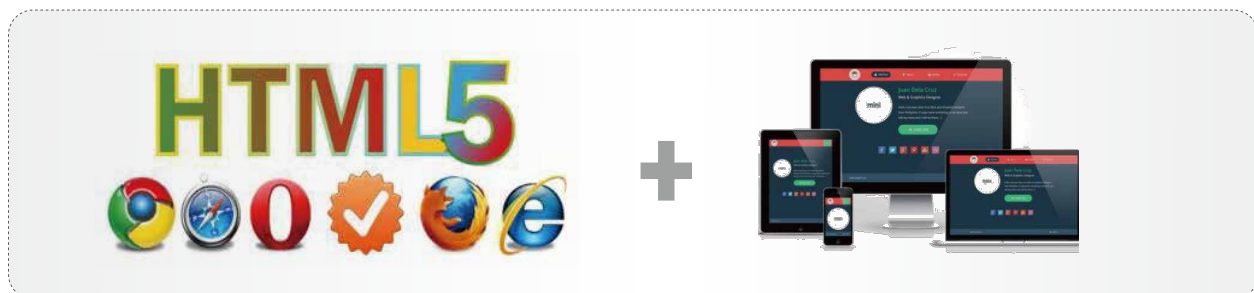
## VGA/HDMI Out

Because powerpoint slides need to be shown both in class and on video, the Dahua R&B System conveniently provides VGA/HDMI out with powerpoint input to solve this issue, allowing for a seamless presentation experience.



## HTML5

With HTML5, video courseware can be enjoyed in various browsers and on different devices, such as tablets, smartphones, laptops, desktop PCs, etc.



## PRODUCT SHOWCASE

### DSS



- Video web management
- Personalized website
- Course analysis, course push, course comments
- Star rating, access data reports
- 2SATA, up to 16TB
- 7\*24 stable operation

### DHI-RBS8204A



- 1080P real-time resolution
- Automatic director
- PIP function
- 2SATA, up to 16TB
- 2 USB 3.0
- Rich-interfaces:
  - IP/HDCVI/HDMI/VGA video in & HDMI/VGA loop out
- HDMI/VGA video out
- Audio/alarm in & out

### DH-SD56230V-HNI



- 1080P real-time resolution
- 30x optical zoom
- Rich interfaces: IP/HDCVI/HDSDI/DVI-I(HDMI/VGA)
- WDR, Starlight
- H.265 Encoding
- Auto tescher tracking

### DH-HAC-HF3231E-T



- 1080P resolution
- Long distance real-time transmission
- Rich interfaces: HDCVI/HDSDI/CVBS
- WDR, Starlight
- 2.7~12mm motorized lens

### DH-HAP300-L



- Hi-Fi
- Scope: 5-100m<sup>2</sup>
- Sensitivity: -32dB
- CE/FCC
- $\Phi$ 70mm $\times$ 18.5mm



## QUALITY BY DESIGN

\* Design and specifications are subject to change without notice.

Recording & Broadcasting Solution for Education - 01, Jun 2017



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