IQVideo
Lecture Capture System

Datasheet

Video Station

Ceiling MIC

Auto-tracking Camera
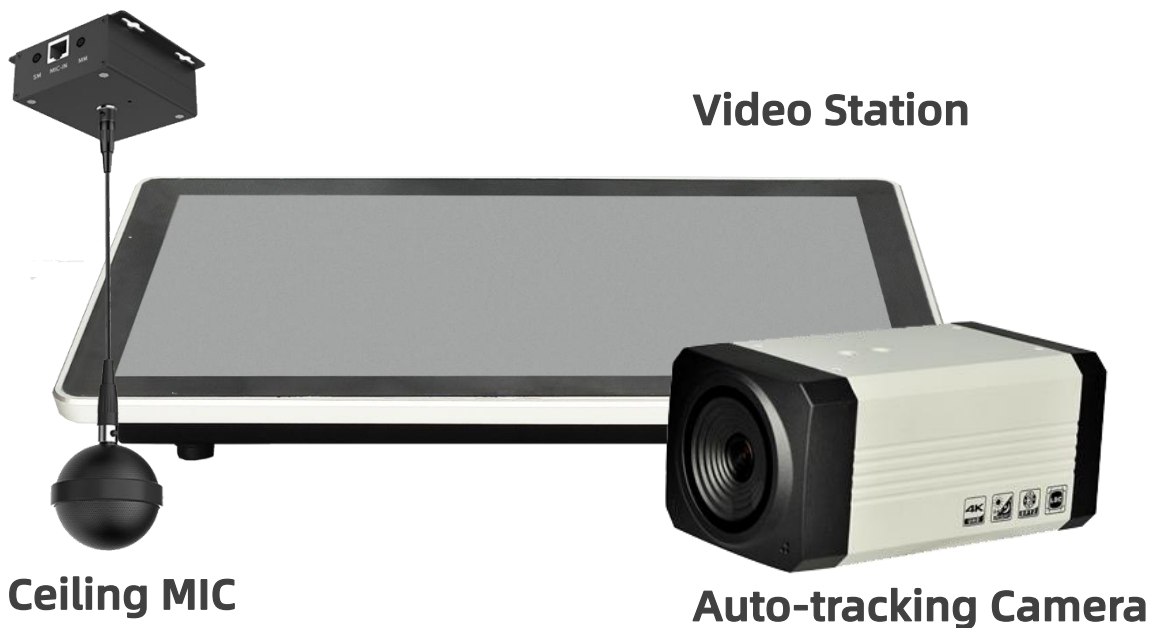
01 Video Station

Features

- Support POE power supply, devices can only be connected through the network cable to provide DC power supply and transmit data, which is safe and easy to deploy;

- 11.6-inch touch screen, the local directing screen will be displayed in full screen after booting, and the video resolution can reach 1080P;

- Capacitive touch technology is wear-resistant and has a long service life. All operations of recording and broadcasting can be realized by tapping;

- Built-in 1T hard disk. Built-in disk recording protection strategy, when the disk storage exceeds 90% and then record files, the earliest content will be recorded synchronously at the time of deletion;

- The recording supports three modes of automatic recording, semi-automatic recording and manual recording;

- One-touch to start recording, live broadcast and other operations; the unique one-touch-one-application function helps teachers to preset subtitles, course title, date, LOGO, and credits with a single tap;

- Provide 6 screen layout modes to respond to the needs of different teaching scenarios. 14 kinds of transition effects, soft and natural screen switching;

- Provides smooth and stable live broadcast services, and supports three different types of live broadcasts: RTMP/RTSP/TS. Support RTMP/TS for live broadcast at the same time.

- Remote broadcast directing platform is embedded, no other server support is needed, which is convenient for teachers to use the browser to access the platform for functions such as broadcast directing, courseware management, and courseware editing;

- Detailed information such as school LOGO can be displayed on the remote director. Drag the display position of LOGO and subtitles at will. The subtitle content supports pre-editing, supports editing up to 5 pieces of subtitle information, and the title of the course information can be customized for the size and color of the subtitles according to the recording needs;

- The remote director platform supports on-demand and download of recorded and broadcast courseware. In the on-demand list, you can clearly see the number of video recording channels, recording time, preview pictures generated during recording and other courseware resources, so that teachers can quickly find the courseware they need.

Specifications

System	Embedded remote broadcast directing platform
Video input	HDMI*1
Resolution（highest）	1080P
Frame rate	1-60(optional)
Video output	HDMI OUT*2
Storage	1TB
Ethernet	4*LAN ports, PoE supported
Console interface	RJ45*1 (support RS232)
USB port	USB 3.0 (for extended video storage)
Audio	AUDIO IN *2；AUDIO OUT*2
Screen size	11.6 inch
System	Embedded remote broadcast directing platform
Video input	HDMI*1
Resolution（highest）	1080P

02 Auto-tracking Camera（Teacher）

Features

- The camera adopts EPTZ high integration technology, no need mechanical rotation of the tracking camera and also no need auxiliary camera, the automatic tracking can be completed. The output image format supports up to 1080P.

- Intelligent panorama and close-up switch function, supporting instant image positioning, zoom in and zoom out without stretching the lens;

- The flexible tracking strategy can support the whole process of tracking, when the teacher quickly moves around it will switch to panorama, and when he walks within close range it will switch to close-up tracking .

- The target tracking is not limited by the size and shape of the classroom, which is suitable for irregular classrooms and lecture halls.

- Shielding area can be set and the shape of the shielding area can be customized to avoid interference from projector, interactive whiteboard, all-in-one whiteboard, glass and other factors. On-site anti-interference demonstration can be conducted based on the above environment or objects;

- Support height adaptive, different height and different posture can automatically adjust the shooting angle to achieve the best output picture;

- Visual debugging operation, can watch the real-time video while debugging. Support the adjustment of camera color saturation, brightness, anti - flicker and other camera parameters in the interface.

Model	AT300-T
Size	72mm x 60mm x 130mm
Weight	0.5kg
Image sensor	1/2.5 inch, CMOS,8.51M pixels
Focal length	f = 7.35 mm, horizontal viewing Angle: 46 °
Auto focus	Support
Minimum illumination	0.5 Lux @ (F1.8, AGC ON)
Electronic shutter	1/30s ~ 1/10000s
White balance	Auto, indoor, outdoor, one-click, manual
Stream resolution	3840x2160,1920x1080,1920x1080,1280x720,1024x576,720x576(50Hz),720x480(60Hz), 720x408,640x360,480x270,320x240,320x180
Frame rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio bit rate	48Kbps、64Kbps、96Kbps、128Kbps
Support protocol	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP
Digital noise reduction	2D, 3D digital noise reduction
Backlight compensation	Support
PoE power supply	Support
Network	RJ45*1:10 M / 100 M / 1000 M
Audio	3 pin phoenix connector audio in*1
Control interface	RS485*1,Maximum distance: 1200 meters
Power	DC 12V

03 Auto-tracking Camera(Student)

Features

- The camera adopts EPTZ high integration technology, no need mechanical rotation of the tracking camera and also no need auxiliary camera, the automatic tracking can be completed. The output image format supports up to 1080P.

- Intelligent switch to the student close-up lens when student stands up.

- Intelligent panorama and close-up switch function, supporting instant image positioning, zoom in and zoom out without stretching the lens;

- The target tracking is not limited by the size and shape of the classroom, which is suitable for irregular classroom and ladder classroom.

- Shielding area can be set and the shape of the shielding area can be customized to avoid interference from projection, electronic white board, all-in-one machine, glass and other factors. On-site anti-interference demonstration can be conducted based on the above environment or objects;

- Support height adaptive, different height and different posture can automatically adjust the shooting Angle to achieve the best output picture;

- Visual debugging operation, debugging the client-side can watch the real-time video. Support the adjustment of camera color saturation, brightness, anti - flicker and other camera parameters in the interface.

FUTURE CLASS, IQ CLASS

Specifications

Model	AT300-S
Size	72mm x 60mm x 130mm
Weight	0.5kg
Image sensor	1/2.5 inch, CMOS,8.51M pixels
Focal length	f = 3.5 mm, horizontal viewing Angle: 84 °
Auto focus	Support
Minimum illumination	0.5 Lux @ (F1.8, AGC ON)
Electronic shutter	1/30s ~ 1/10000s
White balance	Auto, indoor, outdoor, one-click, manual
Stream resolution	3840x2160,1920x1080,1920x1080,1280x720,1024x576,720x576(50Hz),720x480(60Hz), 720x408,640x360,480x270,320x240,320x180
Frame rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio bit rate	48Kbps、64Kbps、96Kbps、128Kbps
Support protocol	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP
Digital noise reduction	2D, 3D digital noise reduction
Backlight compensation	Support
PoE power supply	Support
Network	RJ45*1:10 M / 100 M / 1000 M
Audio	3 pin phoenix connector audio in*1
Control interface	RS485*1,Maximum distance: 1200 meters
Power	DC 12V

04 Ceiling MIC

Features

- **Omnidirectional pick-up microphone**

Star array pick-up microphone, support dual mode (digital, analog) output.

- **Intelligent voice tracking**

Automatically focus on the current speaker without human intervention, clear sound and low noise.

- **Wide range pickup area**

Pick up area covered 60 square meters, three times larger than the similar unidirectional products.

- **Perfect sound quality**

Suspension ceiling features, optimized audio acquisition, transmit the sound authentically.

Specifications

Model	SY-W10
Pickup radius	6 meters
AEC	Support
AGC	Support
ANS	Support
Pickup adapter	6 pin CANNON , used for connecting special pickup
System indicator	Steady red: the system is starting Steady green: clock synchronization Green flashing: normal operation
Digital Interface	1*48V PoE power supply input, digital audio output; 1*48V PoE power supply output, digital audio cascade
Audio Output	RCA: Analog audio output
Audio Input	RCA: Analog audio input
Input Current	TBD
Operating Temperature	-5℃ ~ 40℃
Storage Temperature	-20℃ ~ 60℃
Power Consumption	TBD
Input Current	TBD
Size（W/H/D)	127mm x 110mm x 33mm