



Description

Teaching behavior analysis supports high-performance AI image vision computing power, built-in skeleton point detection algorithm, crowd counting algorithm, face detection algorithm and face feature point extraction algorithm, providing users with classroom behavior analysis such as non-sensing attendance and teacher-student behavior analysis. As a supporting software for high-quality courses carefully crafted for the education industry, it is combined with the education cloud platform to provide a series of data such as classroom reports, course suggestions, teacher teaching reflections and student behavior observation summaries through AI capabilities such as image processing and data analysis, presenting classroom behavior data reports.

Feature

- *It supports the seamless attendance function for teachers and students, and allows customized settings for lateness and early leave times. It can perform AI intelligent analysis on absences, lateness, early leave, and leave, and provides accurate attendance data statistics, including absences, lateness, early leave, and leave information.
- *It supports AI intelligent analysis technology of student behavior, which can comprehensively capture and accurately count all kinds of student behaviors in the learning process. By analyzing key actions such as attentive listening (head-up), reading and thinking (head-down), interactive participation (raising hands), answering questions (standing up) and attention shifting (turning the head), it generates detailed data analysis reports.
- *Supports student expression analysis function, covering anger, disgust, fear, happiness, neutrality, sadness, surprise and other emotional analysis.
- *Supports analysis of students' classroom performance, including student classroom participation, head-up rate, head-down rate, concentration, distraction stage, and classroom activity.
- *Supports teacher behavior analysis, covering aspects such as teacher's teaching methods, student guidance, blackboard writing, teacher-student interaction, and teacher inspections.
- *It supports teacher trajectory analysis, which can clearly show the teacher's action trajectory path in the corresponding course.
- *Supports teachers' teaching quality analysis, provide professional course suggestions and classroom teaching time allocation charts.
- *AI records classroom interactions in real time, analyzes the communication time between teachers and students, automatically performs ST analysis, and analyzes the teaching mode of each class; such as: teaching type, practice type, dialogue type, mixed type; finally draws ST diagram and Rt-Ch diagram; draws teaching conclusions and teaching suggestions, and provides teaching decision suggestions for teachers or education leaders;
- *It supports intelligent capture of question and interaction time points and automatically generates time tags, which greatly simplifies the course management and teaching feedback process and improves the accuracy and efficiency of the evaluation.
- *It supports AI course analysis and comparison functions to realize data comparison between classes and subjects, covering course time arrangements, concentration, digital model analysis, and in-depth comparison of teacher-student behaviors, students' emotions and concentration, to help optimize education and formulate personalized teaching strategies.
- *Supports real-time monitoring of the device's CPU, GPU and other main frequency, temperature, utilization and other information, as well as memory and video memory usage, to ensure device operation efficiency and stability.



- *It adopts B/S architecture and supports web management, including upgrade, terminal, and host management, and supports offline device activation, terminal device name modification, binding and other operations.
- *Supports NTP, DHCP and other functions. When the controller is connected to the network, it automatically synchronizes the network time to ensure the accuracy of the system time. It provides flexible network parameter configuration functions to meet the network requirements of devices in different environments.
- *The platform actively binds the HD recording controller, and the terminal automatically goes online. It supports concurrent analysis of 100 devices, with no limit on the number of bound controllers.