



Bee9 Pro V4 Capture system

All in one Classroom Image process system

Capture ,record ,stream, auto switch and track, video interactive

The Bee9 Pro V4 media processor utilizes the latest video processing hardware, offering powerful audio-video processing capabilities.

It addresses the needs of classrooms and meeting rooms, facilitating multi-camera capture and recording, seamless switching and tracking control between different camera models, real-time audio-video interaction, multi-platform synchronous broadcasting, and large-scale deployment and management.

It supports input from 6 channels of SDI or IPC signals (defined for teaching scenarios as teacher close-up, student close-up, panoramic view of the podium, student panoramic view), 1 channel of IWB, and 1 channel of PPT/IFP signal via HDMI, with 3 channels of HDMI local output.

Paired with the local production switcher DCS600 or the network production switcher DCS310, as well as the Reach Kite series automatic tracking system, it enables automatic tracking, positioning, and switching of teachers or speakers.

With the Reach CLX8A desktop visual touch panel, all functions can be controlled with a single touch.

FEATURES

- 6 video inputs ,capture ,record and stream
- 2TB local hddisk storage
- Three-Channel Live Stream via Connecting Ethernet
- 7 inch visual control panel
- RTMPS/RTMP?RTSP mixed video Live Stream
- Auto switching between video feeds according scene
- HDMI1 and 2 out local mixed video (PGM)
- HDMI out3 output local visual Direct interface
- Built in 6 port switcher ,4 port with POE ,support IP video input .
- Configure with CLX8A desktop visual controller via cat5e
- Built in WEB UI control
- Design a network director DCS310 remote management via internet .
- PTZ camera control through rs232/rs485/internet visca
- Built-in Audio/Line Port for Monitoring
- Built in SIP /H.323 video interactive function ,realtime 2



Functions

1. 6-video Capture, record, and live streaming

Multi-Angle, Multi-Camera Recording for Local Classroom Teaching, Ensuring 360-Degree Capture of Classroom Audio-Visual Content and Live Streaming for Sharing

- Seamlessly capture and encode up to 6 screens, including 4 SDI video signals and 2 HDMI inputs.
- Collaborate with directing consoles and automated tracking systems for intelligent, real-time switching between teacher close-ups, panoramic views, student shots, electronic whiteboard, and VGA screens.

2. GUI multi video and audio Local Directing:

- HD video output via HDMI interface for real-time monitoring.
- Utilize USB keyboard or dedicated directing keyboards for on-site directing.

3. High/Low Bitrate Recording and live streaming:

- It can push to 3 live streaming platforms simultaneously, such as Facebook, YouTube, Twitch, etc., supporting mainstream streaming protocols like RTMPS and RTSP.

4. Recording and live streaming Quality Adjustment:

- Dynamic bitrate adjustment based on network conditions, ensuring optimal video quality and transmission efficiency.

5. Real time video Interactive Functionality:

- Support standard H323, SIP protocols for interactive teaching and integration with leading educational platforms.

6. Intelligent multi- video Direct, switch ,Automated Tracking control

- Intelligent automation for seamless switching between various classroom views, enhancing teaching and learning experiences.

7. Multi way File Management:

- Convenient web-based file management for viewing, searching, downloading, and annotating recordings.
- Flexible storage options including local disks, FTP servers, and Reach media center pro platform.
- Advanced control capabilities via Telnet protocol over the network.

10. USB High-Speed Copy:

- Quick and easy transfer of recordings to external storage devices via USB 3.0/2.0 interfaces.

11. HDMI with HD video output Functions:

- Local audio output support through HDMI interfaces.

12. Multi type Audio Input/Output:

- Versatile audio interface options with seamless switching capabilities.

13. IPv4/IPv6 Network Configuration:

- Flexible network configuration for live streaming and on-demand content delivery.

14. Network and Serial Control Support:

- Compatibility with network-based and serial-based control systems.

15. Cross-Platform Compatibility management and playback:

- Accessible across different operating systems and web browsers, ensuring universal compatibility and ease of use.

16. Built-in POE Network Switcher for camera connections :

- Integrated POE network switch for streamlined management of connected devices.

17. AI Classroom students Attendance checking and teaching Behavior Analysis:

- Advanced features for facial recognition attendance and behavior analysis, fostering a more engaging learning environment.

Automated Camera Switching for Cinematic Classroom Recording, Mimicking Film Production Techniques to Create Perfect Video Content Without Manual Intervention

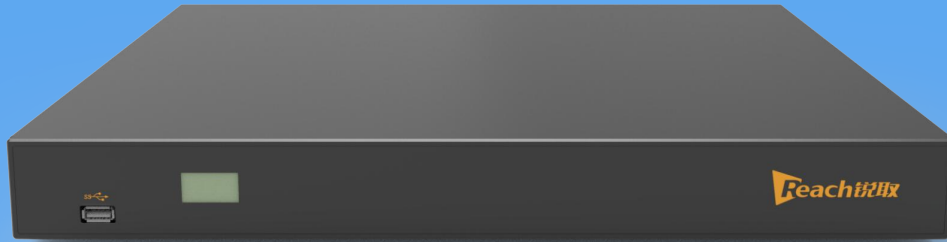
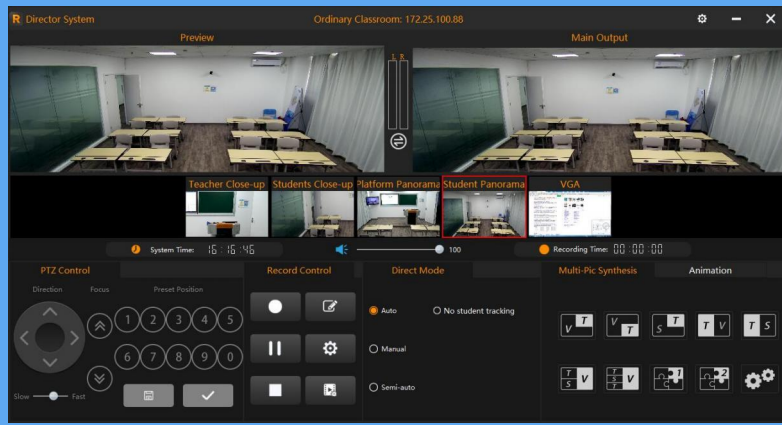
Application	Smart Education Classroom media process
	Remote Interactive Teaching for Smart Education
	Capture, Broadcast, and Interact in Real Time Across Multiple Classrooms and Campuses
	AI Analysis of Teaching Behavior

Conference media recording and live streaming

In Corporate Conference, it can support multi-scene switching, like one camera as close-up view, and the other as wide-angle view, and one computer for PPT presentation, and it also support PIP, which can enhance better visual experience.

Live video production

As a live streaming studio, which can realize multi-scene switching during the live video production .Best function such as control, recording and switching.



Teaching IFPD

