

Easy Streaming Solution



Easy streaming Broadcasting system

Is a highly integrated and user-friendly recording and broadcasting solution. Its all-in-one design significantly simplifies the installation and debugging process, while its multi-functional integration makes it suitable for various scenarios such as teaching and corporate meetings.

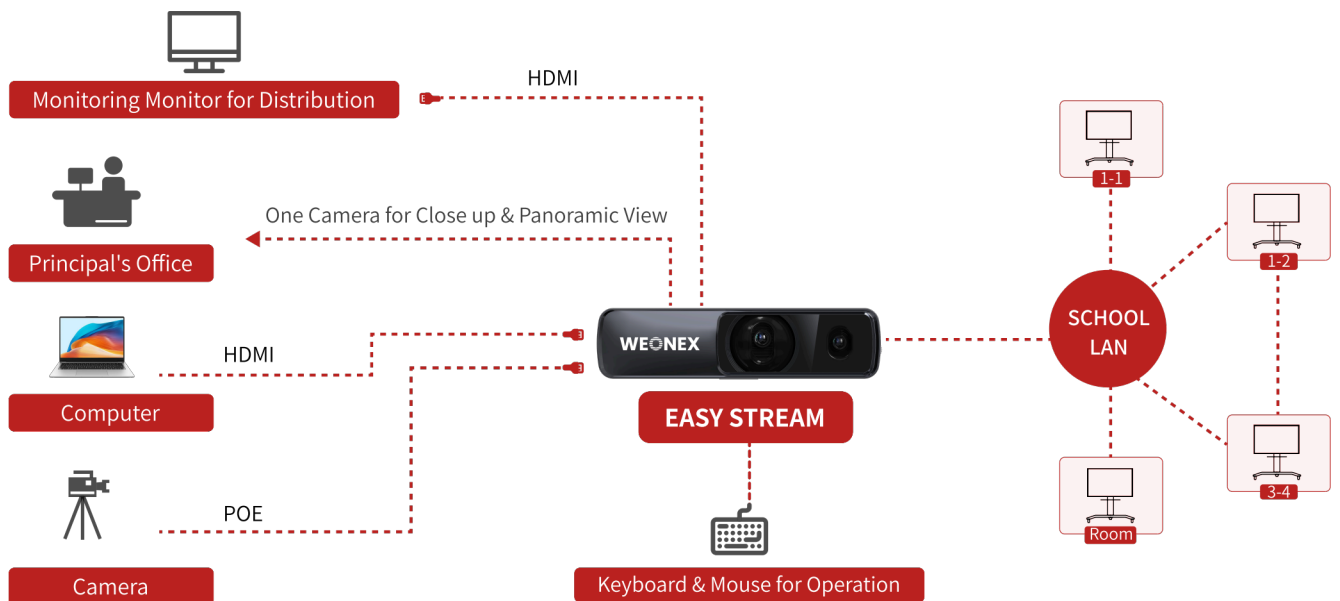




Highly Efficient, Effortless Deployment

Low power consumption, high performance. POE one-cable connection for quick deployment.

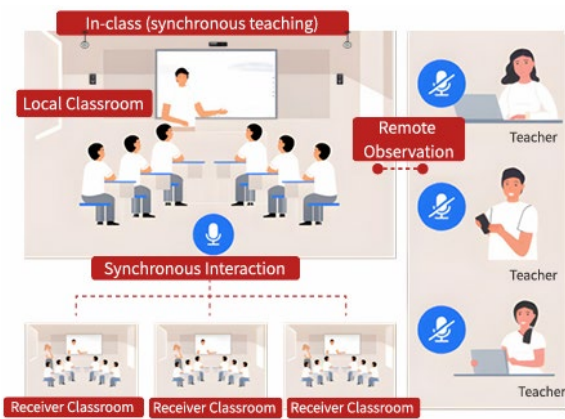
One EASY STREAM can simultaneously distribute to up to 50 electronic blackboards.



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Real-time Classroom Observation

Observation by classroom allows for quick location of target classrooms. Observation by course, which focuses on professional teaching, supports classroom observation based on course categories, specialized courses, and supervisor groups in accordance with the curriculum schedule, enhancing the pertinence of work.



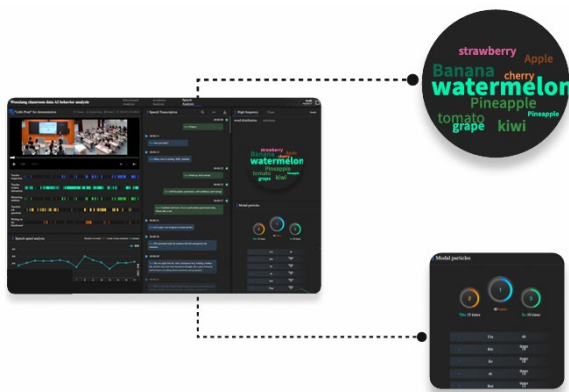
Touch Operation, Remote Touch Control

Operable via electronic blackboards or touch displays. No complex setup—ready to use instantly. Control remotely via a dedicated app on the same network.



User-Friendly

Real-time overview of student participation, activities, and head up rates. Real-time statistics on classroom occupancy, including raised hands, standing, lying down, sitting, and head-turning.



Multi Functional Integration

Live streaming, interaction, recording and shooting, All-in-one.



Live Streaming Function

Large displays across campus (principal's office, staff room, classrooms, etc.) support direct live streaming, letting students watch assemblies/ events in class—ideal for pandemic protocols or special scenarios.

Dual Cameras

9.29MP and 4.93MP dual cameras enable simultaneous multi-angle transmission, supporting versatile scenes and varied broadcast perspectives.

Ultra-Clear Picture

Interaction 4K ultra-high-definition image quality, support for class schedule connection 1 +6-channel full-channel video storage

Easy Operation

Connect to the school network; no special setups or complex steps needed. Quick to deploy, simple for anyone to use for smooth streaming.

Security

Onboard chips with powerful processing and motion analysis enable real-time local analysis.



SE500 Host	
1. Specifications	
Processor: Octa-core ARM processor (China-made); Operating System: Embedded Linux Memory: 8GB RAM; Storage: 512GB SSD; Noise Level: ≤20dB(A)	
2. Integrated Camera System	
Dual 4K Cameras:	
l Close-up Camera:	
Sensor: 8.29MP, 1/2.7" CMOS; Lens: f=7.37mm, 43 ° FOV Zoom: 2x digital zoom; PTZ Range: ±40 ° (horizontal), +5° to -30° (vertical) Presets: 255 positions, ≤0.5° accuracy; Auto-focus, 2D/3D noise reduction (SNR ≥55dB)	
l Panoramic Camera:	
Lens: f=2.2mm, 110 ° ultra-wide FOV; Sensor: 4.93MP, 1/2.7" CMOS; Tilt Range: 0 ° to +24° (vertical)	
3. Video & Audio Interfaces	
l Video Input/Output: 1 × HDMI IN, 1 × HDMI OUT	
l Audio Input/Output: 1 × Line IN, 1 × Line OUT	
l Supports 2 wireless microphones (with power supply)	
l USB-powered microphone support(single-cable solution)	
4. Network & Control Interfaces	
l Network:	
Dual Gigabit Ethernet (RJ45 ×2); IPv4/IPv6 support, DHCP ; PoC (Power over Cable) for external cameras	
l Control Ports:	
1 × RS232/RS485 serial port; 2 × USB (for keyboard/mouse/USB storage); 1 × Type-C (UVC protocol, compatible with Zoom/Tencent Meeting/DingTalk)	
5. Recording Specifications	
Output Formats: MP4, FLV, TS; Resolutions :4K (3840 ×2160), 1080p (1920 × 1080); Frame Rates:25fps, 30fps	
Bitrate Range: 1000-20000 kbps (adjustable); Drag-and-drop video switching with preview tracking	
l Subtitles:	
9 presets (including auto-synced system time); Customizable position/size/color (9 sizes, 8 colors); Virtual keyboard (supports Chinese/English/symbols)	
6. Technical Specifications	
l Video Encoding: H.264, H.265, MJPEG; 32Kbps-16384Kbps bitrate	
l Audio Encoding:	
AAC, G.711A; 48KHz sampling rate: 96/128/256Kbps bitrate	
Dual-Lens Camera	
1. Camera Design & Imaging	
l Dual-Lens System:	
Close-up Lens: 8MP (1/2.7" CMOS), 26 ° FOV, 2x digital zoom; Panoramic Lens: 4MP (1/2.7" CMOS), 43° FOV; Resolution: 4K (3840 ×2160), compatible with 1080p/720p; Sensor Sync: Unified image processor for consistent brightness/color between lenses.	



2. Video Performance Encoding: H.264, MJPEG; Frame Rate: 1–30fps adjustable; Bitrate: 32Kbps – 16,384Kbps Profile: Baseline/Main/High Profile; Scan Mode: Progressive (50Hz/60Hz); Digital Zoom: 2x (close-up lens)
3. Optical & Mechanical, PTZ Range: Close-up: ±40 ° horizontal, -30° to +5° vertical; Speed: 30°/s (horizontal/vertical) Panoramic: -24° to 0 ° vertical; Presets: 255 positions, ±0.5° accuracy; Flip: Horizontal/vertical mirroring supported
4. Low-Light & Image Processing Minimum Illumination: 0.5 Lux (F2.2, AGC ON); Shutter Speed: 1/30s – 1/ 10,000s
5. Audio & Connectivity Audio Encoding: AAC, G.711A (48KHz,96/128/256Kbps) Interfaces: 1 × RJ45 (10/100Mbps, PoE+); 1 × Type-C (UVC/UAC, 4K@30fps); 1 × 3.5mm Line-in/Line-out Protocols: TCP/IP, RTSP, RTMP, ONVIF, GB/T 28181,multicast
6. AI & Tracking Auto Tracking: Built-in AI algorithms for smooth subject tracking: Dual-stream output (wide + close-up) with auto-switching Face Detection: Real-time analysis with edge anti-aliasing Behavior Analysis: Recognizes raising hands, standing, leaning, etc.
7. Power & Management Power Options: DC 12V or PoE+ (IEEE 802.3at) Remote Control: Web-based adjustment of brightness/contrast/sharpness Compatibility: Works with major conferencing platforms (Zoom/Teams)
WX-OM600 Audio Microphone System Main Microphone (Master Unit) 1. Core Audio Performance Type: Omnidirectional Hi-Fi array (7-mic circular configuration) Pickup Pattern: 360° full coverage; Frequency Response: 20Hz–20kHz (±2dB) Sensitivity: -35dB; SNR: >68dB(A) Sampling Rate: 48kHz; Max Pickup Distance: 8m
2. Advanced Audio Processing AI Noise Reduction: ≥36dB suppression (steady/transient noise) Automatic Gain Control: -24dB to +24dB adjustable range Echo Cancellation: 60dB reduction, 512ms tail length Feedback Suppression: 8 fixed + 8 adaptive filters (+15dB gain) Reverb Control: Real-time RT60 measurement & suppression
3. System Integration Connectivity: n 1 × RJ45 (audio I/O + power); 1 × USB Type-C (UAC1.0 for config/upgrades); 3.5mm line-out Power: USB 5V / DC 12V; Cascading: Supports up to 5 slave mics
4. Smart Calibration Tools One-Touch Room Tuning: Auto-detects room acoustics;Adjusts EQ/gain to compensate for defects

