**FionTu**
方图集团



▶ **Feature:**

| Feature | Description |
|---|---|
| **Integrated Design** | Highly integrated device; supports audio/video capture, encoding, processing, recording, on-demand streaming, live streaming, directing, remote interaction, and management control in a single unit. |
| **Form Factor** | Standard 1U rack-mounted device for easy installation; non-wall-mount design prevents video or strong light changes that could affect student focus. |
| **System Architecture** | Embedded architecture with ARM multi-core processor, using an independent embedded OS (non-Windows, non-Android) to ensure stability; supports 24/7 operation. |
| **Noise Control & Cooling** | Metal chassis with fanless cooling design to reduce noise to <26dB; ensures stable operation in classroom environments. |
| **Built-in Display** | 3.2-inch LCD screen displays system info such as hard disk space, version number, recording status, and IP address. |
| **Quick Access Buttons** | Functional buttons on the panel allow quick access to IP, recording, and streaming status; controls start/stop for recording and streaming. |
| **Video Codec Support** | Supports H.264 and H.265 video encoding standards; adjustable bitrate (512kbps-20Mbps); adjustable resolution from 640x360 to 3840x2160. |
| **High-Quality Audio Encoding** | Uses AAC audio encoding with a 48KHz sampling rate for high-fidelity sound reproduction. |
| **HDMI Input** | Supports ≥8 HDMI inputs with up to 4K resolution, backward-compatible with 1080p, 720p, etc. |

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| **Video Output** | Supports ≥5 HD video outputs with audio output; includes ≥4 HDMI outputs and ≥1 UVC output. |
| **Audio Input** | Includes diverse audio input options: ≥1 HDMI audio input, ≥3 stereo line inputs, and ≥1 UAC audio input. |
| **Audio Output** | Supports ≥8 audio outputs: ≥4 HDMI audio outputs, ≥3 stereo line outputs, and ≥1 UAC audio output. |
| **Network Interface** | Supports ≥2 RJ45 ports, 10/100/1000M adaptive. |
| **RS232 Ports** | Supports ≥5 RS232 ports for connecting control systems, directing keyboards, control panels, etc. |
| **USB Ports** | Supports ≥8 USB ports: ≥5 USB Type-A, ≥1 USB Type-B, and ≥2 USB Type-C. |
| **Built-In Interaction** | Optional built-in interaction feature, supports ten-way remote interaction without additional servers; scalable to 10,000+ participants with an external server. |
| **Recording Capability** | Supports recording one 4K video channel or eight 1080p resource channels plus one movie channel simultaneously. |
| **HID Control** | Built-in HID control enables direct operation of connected computers via the device. |
| **USB Audio/Video Output** | Standard USB audio/video output with UVC+UAC protocol; plug-and-play via USB Type-B, compatible with mainstream systems and video conferencing software. |
| **Video Signal Support** | Supports various video signal types, including standard network and high-speed digital signals. |
| **Power-On Options** | Multiple startup methods: power-on auto-start, scheduled start, and manual start. |
| **Reset Button** | Hardware reset feature with Reset button for full system restoration. |
| **Built-In Storage** | Includes a high-speed, stable 2TB hard drive for local recording storage; expandable storage capacity. |
| **Power Supply** | DC 19V safe power supply with low power consumption and eco-friendly design. |