

Dual-lens 4K Intelligent Auto Tracking Camera

ED200 is an advanced recording device tailored for corporate business meetings, remote training, distance learning, and educational recordings. With its dual-lens design featuring panoramic and close-up views, it captures the entire space with clarity while precisely focusing on specific subjects. Equipped with technologies such as participant framing, intelligent tracking, and smart directing algorithms, it creates a lifelike and smooth onsite experience, significantly enhancing communication efficiency to meet various application needs in different scenarios.



4K 30fps



Dual Lens



AI Tracking



Smart Guide



POE

Key Features

- **Dual Lenses Integrated Design**

Featuring a unified design with both panoramic and close-up lenses, the panoramic lens boasts an effective pixel count of 4.93 million, while the close-up lens reaches an impressive 8.29 million effective pixels. This design ensures comprehensive coverage of the entire classroom while delivering high-definition close-up images.

- **Ultra-clear Experience Double the Excitement**

Available in both teacher and student models, equipped with panoramic and close-up lenses utilizing 1/2.7" 4K highquality CMOS for clear and detailed imagery. The teacher's panoramic lens offers a 43° field of view, while the close-up lens provides a 26° field of view. The student model's panoramic lens boasts a 110° field of view, and the close-up lens provides a 43° field of view, ensuring crystal-clear close-up shots with a wide perspective.

- **AI Assistance, Eliminating Manual Effort**

Intelligent Teaching Tracking: The education camera features advanced image recognition and tracking algorithms, eliminating the need for additional positioning devices. It effortlessly tracks and captures teachers or students, ensuring no teaching details are missed. It can simultaneously output multiple streams, including up to 5M panoramic views and 4K close-up shots.

Smart Directing: Supports both external and built-in

directing options to meet the diverse needs of recording hosts and interactive terminals. Pairing teacher and student units allows for multi-angle directing output via network or USB interfaces.

- **Miniature Pan-Tilt for Wider Coverage**

Equipped with a brand-new design of a miniature mechanical pan-tilt, offering a horizontal rotation range of up to $\pm 40^\circ$, providing a broader shooting perspective. Additionally, it supports electronic pan-tilt, combining both for more precise and smooth framing and capturing.

- **POE support**

The wired network supports PoE power supply, and control, power supply, video and audio can be completed with only one network cable.

- **Multiple Interface Outputs**

Supports various video output interfaces such as PoE, USB 3.0, and 3G-SDI (optional). This allows quick connections to recording hosts, large OPS screens, and other devices, effectively expanding the range of application scenarios.

- **Built-in Microphone Array (Optional)**

The camera comes with a built-in array microphone, supporting omnidirectional sound pickup up to 6 meters. It incorporates algorithms like beamforming, noise suppression, and echo cancellation to deliver clear and crisp audio quality.

Technical Specification

Close-up Camera Specification

Sensor	1/2.7", CMOS, Effective pixel: 8.29Megapixels
Scanning Mode	Progressive
Type of Lens Mount	M12
Student Close -up Lens	f=7.37mm, Horizontal FOV: 43°
Teacher Close -up Lens	f=12.49mm, Horizontal FOV: 26°
Digital Zoom	2×
Minimum Illumination	0.5 Lux
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation	Support
Pan Angle	±40°
Tilt Angle	+5°~ -30°
Maximum	Student Camera:Pan Speed 60° /s,Tilt Speed 30° /s
Rotation Speed	Teacher Camera:Pan Speed 30° /s,Tilt Speed 30° /s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.5°

Panoramic Camera Specification

Sensor	1/2.7", CMOS, Effective pixel:4.93Megapixels
Scanning Mode	Progressive
Type of Lens Mount	M12
Student Panoramic lens	f=2.2mm, Horizontal FOV: 110°
Teacher Panoramic lens	f=7.37mm, Horizontal FOV: 43°
Minimum Illumination	0.5 Lux
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation	Support
Tilt Angle	+0°~ -24°
Image Freeze	Support
Image Flip	Support

Audio

Built -in Array Microphone	4 Microphone array, 100Hz to 16kHz frequency response
Simulation Audio Input	1 x LINE In
Simulation Audio Output	1 x LINE Out

Digital Audio Interface	1 x USB audio input output; 1 x SDI audio output; 1 x network audio input output, supports 1588 -based audio clock synchronization
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USB Specification

Operating System Supported	Windows® 7 (Only support 1080P and below), Windows 8.1 and above version ; macOS™ 10.10 and above version; Google™ Chromebook™ Version 29.0.1547.70 and above version; Linux (Need to support UVC)
Hardware Requirements	2.4 GHz Intel® Core 2 DUO processor or higher; 2 GB memory or higher; USB 3.0 or USB 2.0 interface
Color System /Compression	YUY2 / MJPEG / H.264
Video Format	Maximum 4K and other different frame rates and resolution video formats
USB Video	UVC 1.1
USB Audio	The maximum 48K sampling rate, supports UAC1.0
UVC PTZ Control	Support

IP Features

Video coding standard	H.265/H.264/MJPEG
Video stream	First code stream, Second code stream
First bitstream resolution	3840x2160, 1920x1080,1280x720 etc
Second bitstream resolution	2880x1620, 1920x1080,1920x1080 etc
Third Stream Resolution	1920X1080,1280x720,1024x576,960x540 etc
Fourth Stream Resolution	1920x1080,1280x720,1024x576,960x540 etc
Video bit rate	32Kbps ~ 16384Kbps
Bit Rate Control	VBR, CBR
Frame rate	25/30fps
Audio compression	AAC/G.711A
Audio bit rate	96Kbps, 128Kbps, 256Kbps
Protocal	TCP/IP, HTTP, HTTPS, NDI, SRT, RTSP, RTMP, Onvif, DHCP, GB/T 28181. Multicast etc

AI Feature Intelligent Teaching Tracking, Smart Directing

Input/Output Interfaces

USB Interfaces	1 x USB 3.0: TYPE-C
HD Interfaces	1 x SDI, Support 1080P60, Support PoC
Network Interface	1 x RJ45: 10M / 100M adaptive Ethernet; PoE(802.3af), Support NDI (Optional)
Audio Interface	1 x LINE In: 3.5mm; 1 x LINE Out: 3.5mm
Power Interface	DC005 type(DC 12V)
Reset Button	RESET
Infrared Interface	Support
Indicator Light	POWER ,STANDBY
Other Parameter	
Input Voltage	DC 12V/PoE (802.3af)/ PoC
Input Current	1A(Max.)
Stored Temperature	0° C ~ 40° C

Working Temperature	-40° C ~ 60° C
Power Consumption	12W(Max.)
Dimension	242.05mm (W) × 86.03mm (D) × 70.55mm (H)
Weight (around)	0.3KG

Interface Picture:

