



FC-400 AI Camera



The conference camera FC-400 features a compact, all-in-one design with advanced AI capabilities, including face detection, sound localization, and auto-framing. It intelligently adjusts the frame based on participant numbers and movement, ensuring optimal focus. Real-time speaker tracking eliminates manual adjustments, delivering a seamless meeting experience.

- **Integrated Design**
- **Ultra HD Image 4K**
- **Intelligent Framing**
- **Noise Reduction & High SNR**
- **Voice Tracking**
- **Built-in speaker & Audio processing**
- **Undistorted Wide-view Lens**
- **Excellent Compatibility**



- **Integrated design:** an integrated design of camera, microphone, and speakers
- **Voice tracking:** Built-in 6 array microphones to achieve voice tracking function, real-time tracking of each speaker, allowing remote participants to break the limitation of distance and have an immersive, face-to-face experience
- **Built-in speakers:** Built-in high-quality dual 10W speaker sound box to ensure that every participant can clearly hear the sound from a distance, providing a unique remote experience;



- **Audio processing:** The audio processing algorithm adopts high-fidelity 48K audio sampling rate and lossless audio transmission technology. It supports AEC, AGC, ANS processing, and provides 8 to 10 meter full-duplex quality

- **Intelligent framing:** Built-in face detection algorithm, automatically detect participants, and provide ideal framing. Supports 3 camera position presets for quick scene switching.

- **Ultra HD image:** It employs 12 megapixel, 1/2.3 inch high-quality CMOS image sensor, and it can output 4K ultra-high-definition images, present clear and realistic ultra-high-definition videos, vividly show the expressions and actions of characters, and provide image quality with superior clarity and resolution



- **Undistorted wide-view lens:** With 120° super-large viewing angle, undistorted lens, no need to adjust the lens position, all participants have a panoramic view, easily covering every corner of the meeting room. Features motorized 180° pan and 105° tilt for flexible coverage.

- **Low noise and high SNR:** Low noise CMOS effectively ensures high SNR of ≥75dB for camera video. Advanced 2D/3D noise reduction technology is also used to further reduce noise while ensuring image sharpness. True WDR technology ensures clear imaging in mixed lighting environments.

- **Excellent compatibility:** Compatible with Windows 10 or higher, suitable for mainstream cloud video platforms, including but not limited to: Zoom, Zoom Rooms, Microsoft® Teams, Skype for Business, Skype, Google Hangouts, RingCentral, BlueJeans, Microsoft® Lync®, Vidyo, vMix, WebRTC, Wirecast, XSplit, and others.

Product Specifications

Feature Name	Description
Camera Sensor	12 MP CMOS sensor, 1/2.3 inch; progressive scan
Lens / View Angle	120° undistorted lens; Optical Lens - 120°(D)/107.2°(H)/74.1°(V)
Digital Zoom	5X Digital Zoom
Video Output	Maximum output 4K image
AI Intelligent framing	face detection,sound source localization , voice tracking
Video Resolution	4K@30fps; 1080p, 720p, 960×540, 848×480, 800×448, 640×480, 640×360, 424×240, 320×240, 320×180 @ 60/30/15fps
Focal Length	Fixed
White Balance	Auto
Min. Illumination	0.05 Lux @ f/2.4, AGC ON
PTZ	EPTZ
DNR	2D&3D
WDR	True WDR
BLC	On/Off
SNR	≥75dB
Color System	H.264 / YUY2 / MJPG
USB Video Protocol	UVC 2.0
Microphone	6 digital array microphones,
Mic Pickup distance	8~10m
Audio processing	AEC , AGC , ANS , sound source localization
Speakers	2*10W
Max SPL	86 dBSPL @ 1m, 1kHz
Frequency Change	150Hz – 15kHz (-10dB)
THD	<5%
Camera Control	IR remote control; VISCA / Pelco P / Pelco D via RS232; UVC/UVA plug and play; PTZ App
Interfaces	1× USB 3.0 Type A; 1× HDMI 1.4; 1× RJ45 (10/100Mbps); Wi-Fi 2.4G/5G dual band; 1× 3.5mm audio in/out; DC 12V power
Power Supply	AC 100V–240V, 50/60Hz; Input: DC 12V; Power consumption: 36W; Current: 3A
Operating System	Windows 10 or above; 2.4GHz Intel® Core 2 Duo or above; 2GB RAM minimum
Interfaces	USB, HDMI,RJ45,Audio, Power DC12V