



## All in one 4K AI conference camera

(Voice Tracking, Intelligent Framing)



**VT-CA405i**

VT-CA405i adopts a compact integrated design and integrates powerful audio and video functions. It employs a variety of advanced AI intelligent algorithms, integrates face detection, sound source localization, voice tracking and other AI intelligent framing technology, can automatically adjust the size of the picture according to the number of participants and location changes to achieve the best framing. The camera detects the speaker's position in real time, and the locked object presents a close-up, without manually adjusting the camera operation, to provide a simpler, focused meeting experience. USB plug and play, easily connected to personal devices for video conference at any time.



4K



MIC



AI



EPTZ



SPEAKER



USB



D-ZOOM



DNR



**Intelligent framing:** Built-in face detection algorithm, automatically detect participants, and provide ideal framing;



**Ultra HD image:** It employs 8 megapixel 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;



**Built-in speaker:** Built-in high-quality double speaker sound box to ensure that every participant can clearly hear the sound from a distance, providing a unique remote experience;



**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;

**Integrated design:** an integrated design of camera, microphone, and speaker;

**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 6meter full-duplex quality;

**Undistorted large-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;

**Low noise and high SNR:** Low Noise CMOS effectively ensure high SNR of camera video. Advanced 2D/3D noise reduction technology is also used to further reduce the noise, while ensuring image sharpness.

**Excellent compatibility:** Compatible with Windows7, Windows10, Mac OS 10.10 or higher systems, suitable for mainstream cloud video platforms, including but not limited to the following: Microsoft Teams, Skype for Business, Zoom Room and Zoom clients, Tencent conference, DingTalk, Huawei Cloud WeLink, etc.

## Technical Specification

### Camera Parameter

Sensor:	1/2.8 inch, 8mega pixel high quality CMOS sensor		
View Angle:	120° undistorted lens	Digital Zoom:	10 X
Video Output:	Maximum output 4K image	Optical Lens:	120° (D) /110° (H) /80° (V)
Video Resolution:	4K/30 and below	PTZ:	EPTZ
DNR:	2D & 3D	BLC:	On/Off
SNR:	≥55dB		
AI Intelligent framing:	face detection & sound source localization & voice tracking		

Microphone type:	6 digital array microphones	Pickup distance:	6m
Audio processing:	AEC & AGC & ANS & sound source localization	Speaker:	2*10W

Remote control:	Infrared remote control	Video Interface:	USB3.0, HDMI
Audio Interface:	1*3.5mm linear output	Power Interface:	DC12V
Bluetooth:	In Bluetooth pairing mode, this device can be found by other Bluetooth device		