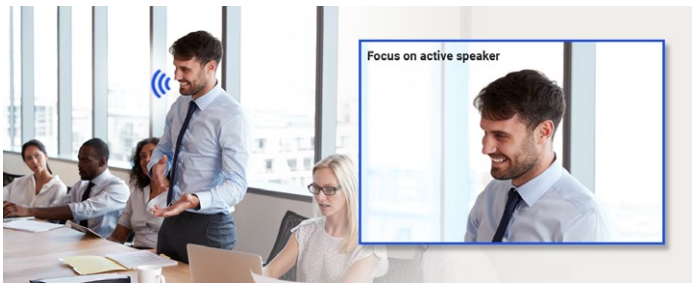
CAM570

4K Dual Lens Audio Tracking Camera for Medium and Large Rooms

The CAM570 is a PTZ conferencing camera, with premium-grade features that enable users to deliver in-person meeting experiences to remote participants. The CAM570 features a 4K dual-lens camera with 36X total zoom and an AI lens with 95-degree FOV. AVer's beamforming technology guides the PTZ camera to focus on the most relevant activity in a meeting, meanwhile eliminating unnecessary audio with mouth and human voice detection. The CAM570 includes three pairs of built-in voice sensors with beamforming technology and two 4K lenses to track speakers up to 10 meters away. The CAM570 is Zoom certified and works seamlessly with Google Meet, Microsoft Teams, and other video conferencing platforms.

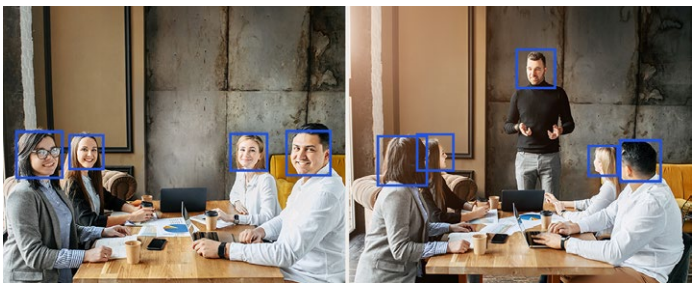
Built-in audio tracking capabilities

Easily focus on the active speaker with audio tracking and presentation modes. The camera will automatically follow the speaker, or a preset point can be set up to focus on a specific area. The audio tracking functionality with three built-in sensors can detect human voices up to 10 meters without being disrupted by another speakerphone in the room.



AI Smart Frame technology

The dual-lens design precisely detects real-time motion while simultaneously offering a complete view of the room. Dynamic Detection automatically adjusts the camera angle and zoom to capture every meeting participant. Featuring smart AI technology, the frame automatically adjusts as the number of individuals in the room changes to eliminate unnecessary distractions and disruptions, ensuring all meeting attendees are instantly captured again for a seamless collaboration in real-time.



Smart Gallery merges close-ups and panoramic view

The Smart Gallery technology in conjunction with the PTZApp2 merges close-ups of everyone in the room to enable collaboration equity. Individuals will have equal representation in meetings through arranged close-ups around a panoramic view of the entire group. Users can switch between headshot and half-body frames to accommodate groups of various sizes.

Headshot Mode

Half-body Mode

Picture-in-Picture for greater meeting engagement

The CAM570 includes a PTZ camera with 36X total zoom (12x optical + 3x digital) and a second AI lens to provide a panoramic view. The dual-lens design simultaneously offers speaker and wide-angle views with several PIP layout options. Ideal for larger and more complex meeting spaces.

Custom advanced integration

The CAM570 offers built-in advanced integration capabilities, perfect for a controlled environment to allow users to connect the CAM570 via RS232 or Visca over IP to joystick controllers and control systems.

Specifications

Dual Camera

PTZ optical zoom lens

- Image sensor: Sony 4K EXMOR, crystal clear in any lighting
- Frame rates: (16:9) 4K 30fps; 1920 x 1080, 1600 x 900, 1280 x 720, 960 x 540, 848 x 480, 800 x 448, 640 x 360, at 60, 30, 15fps; (4:3) 1280 x 960, 800 x 600, 640 x 480 at 60, 30, 15fps
- 36X Zoom*: 12X optical; 3X digital zoom
- Wide field of view: DFOV 90°/ HFOV 82°/ VFOV 52°
- Lens focal length: 3.4mm (wide) ~ 40.3mm (tele)
- Lens F#: 1.8 (wide) ~ 3.6 (tele)
- Wide Dynamic Range (WDR): Superb backlight compensation technology for optimizing light balance in high-contrast conditions
- Minimum focus distance: 1.5m
- Motorized Pan & tilt: Pan: ±170°;Tilt: +90° (up) -30° (down)
- Preset number: 10 via IR remote, 128 via RS232
- Image flip and image mirror

Secondary fixed lens (AI lens)

- Image sensor: Sony 4K EXMOR
- Frame rates and resolution set according to PTZ lens settings
- Wide field of view: DFOV 95°; HFOV 78°; VFOV 50°

*Please use PTZApp 2 to set up 36X zoom
*Please don't put the CAM570 on the table. This will block the view of AI lens and the AI detection function will malfunction. The suggested installation height is 1.5m away from the floor.

Audio sensor

- Audio pick-up range: 10m, ±60°
- 3 pairs of sensor array, each composed of 4 sensors

*The built-in sensor is for the audio-tracking function, it cannot be used as an audio source for video-conferencing software.

Innovative Features

- SmartSpeaker: automatically track human voice and focus on the speaker
- Dynamic detection: secondary AI lens detects all participants, new participants trigger PTZ lens to dynamically frame all participants.
- Presentation tracking: voice-triggered tracking speaker with both preset area and people tracking*
- Simultaneous 3-way output: USB, HDMI and IP connections
- Gesture control provides intuitive camera controls
- Smart gallery** function offers great visibility for individual participant in the meeting room
- Cableless access to meetings: Get rid of USB cable connections with AVer virtual USB streaming technology** (One RJ45 cable transfers IP streaming to USB.)
- 3rd party audio tracking support***: Integration with 3rd party ceiling microphone (Shure/ Sennheiser/ Yamaha) via AVer Preset Link** function.

*Make sure preset areas are within AI lens' view.
** Please download PTZApp 2 to set up Smart gallery, USB virtual streaming and Preset Link functionality
*** While CAM570 already offers audio tracking function, we still integrate with 3rd party ceiling microphone for more audio tracking settings via the PTZApp 2 on PC.

Connectivity

- USB type-B 3.1 connector, backward compatible with USB 2.0
- 12V/2A DC jack power adapter
- Mini DIN9 for RS232 in & out connection (VISCA control panel and camera daisy-chain)
- IP (RJ45)
- HDMI
- Audio line-in*

*To avoid tracking the speakerphone, please insert speakerphone's Line-out to CAM570's Line-in port.

HDMI & PoE

- HDMI 1.3: 1080p 30fps/ 60fps
- PoE+: 802.3at

Video Format

- YUV, YUY2, MJPEG
- Network video compression format: H.264
- Network protocol: RTSP, RTMP

USB

- 3.1 Gen 1, backward compatible with USB 2.0
- UVC 1.1 (USB video), UVC1.5*

*UVC1.5 utilizes a different platform environment and requires an extra FW upgrade. Please contact technical support for more details.

Control

- IR remote control
- VISCA/pelco P/pelco D via RS232 (128 preset points via VISCA command)
- Remote side: VISCA over IP, IP (RJ45)
- UVC plug and play
- WebUI: Browser IP access via Chrome. (Not support IE)
- OSD setting: HDMI out to TV monitor
- PTZApp 2

Power Supply

- AC 100V–240V, 50/60 Hz; Consumption: 12V, 2A
- PoE+: 802.3 at

Free Applications for Meeting Collaboration (For Windows® and Mac® computers)

EZManager 2: Camera Central Management Software

- Remotely group FW/SW upgrades, control the camera, and manage settings

PTZApp 2: Camera Settings Software

- Smart gallery/Virtual USB streaming/Preset Link
- View live video, participant metrics, and meeting-interval information
- Enable Skype for Business far-end control
- Upgrade firmware automatically/manually
- Control the camera
- Set parameters and adjust the camera image
- View operation status, diagnose issues

EZLive: Broadcasting Software

- Multi-camera real-time streaming, annotating, image capturing, and video recording

Environment Data

- Operation temperature: 0 to 40°C
- Operation humidity: 20% to 80%
- Storage temperature: -20 to 60°C
- Storage humidity: 20% to 80%

Dimensions

- Package dimensions: 253(L)*253(W)*271(H) mm
- Package weight: 4.8KG
- Camera: 170.8 (L) X 190.5 (H) X 173 (D) mm/ 2.1kg
- Remote control: 200 x 50 x 21mm/90g

Package Contents

- CAM570 unit
- Power adapter (10 ft/3 m)
- USB 3.1 type-B to type-A cable (3m)
- Remote control
- Mini DIN9 to mini DIN8 RS232 adapter cable
- HDMI cable (3 m)
- Wall mount bracket and screws
- QR code card
- Tripod screw
- Drill paper

Optional Accessories

- FONE540
- Mini DIN 8 to D-Sub 9 RS232 Cable
- Ceiling mount
- Foldable TV mount
- USB2.0 type-B to type-A cable (5 m)
- USB 3.1 Extension Cable (10 m/20 m/30 m)
- 1-Port POE+ Injector

Security and Mount

- Kensington lock
- 1/4" tripod mounting screw
- Camera wall-mount bracket included
- Optional foldable TV mount
- Optional ceiling mount

System Requirements

- Windows® 7/10/11
- Mac OS X 14.4 or later
- Chromebox 3 version 94.0.4606.114 or later

Hardware Specs

- 3.2 GHz Intel® Core™ i5-4460 processor
- 4 GB RAM or more
- USB 3.1 port, backward compatible with USB 2.0

Warranty

- Camera: 3 years*
- Accessories: 1 year

*We offer an optional 2-year extended warranty in the European area. Please contact your local agency for details.

Compatible Applications

Zoom, Microsoft® Teams, Skype, Skype for Business, Google Meet, RingCentral, BlueJeans , Intel® Unite™, Fuze, Adobe® Connect™, CyberLink U Meeting®, Cisco WebEx® GoToMeeting™, LiveOn, Microsoft® Lync™, TrueConf, V-Cube, Vidyo, vMix, WebRTC, Wirecast, XSplit

*For 4K UHD support, please check system/hardware requirements with your software application provider.
**Specifications may vary depending on countries and are subject to change without notice.

Front

Back

Distributor/Dealer

AVer Information Inc. Americas averusa.com
44061 Nobel Drive, Fremont, CA 94538
T 408.263.3828 F 408.263.8132 toll free 1.877.528.7824

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