



VC550

4K Dual Lens PTZ Conference Camera with AI Technology & Speakerphone



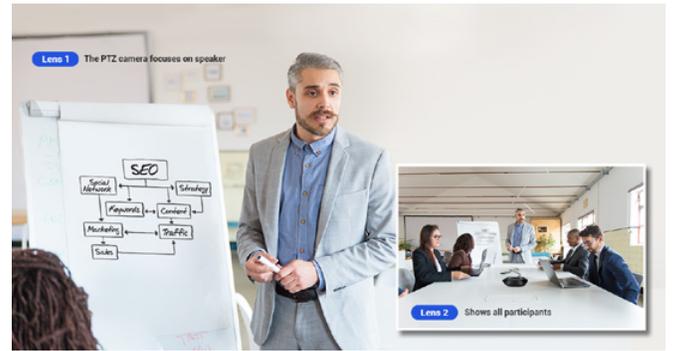
Scalable speakerphone

The VC550 provides a premium audio-visual experience for any video conference room. Embedded with daisy-chain technology, the VC550 can be expanded by adding up to four additional microphones or two speakerphones to provide full coverage in mid to large rooms.



4K dual lens offers wide-angle clarity

Capture a full view of any meeting room with wide-angle functionality. The VC550 is equipped with two 4K lenses. The first is a PTZ camera with 12X optical zoom (24X total zoom) to clearly frame meeting participants in medium and large rooms. The second is an AI lens with 95 ° FOV to provide a panoramic view of the room.



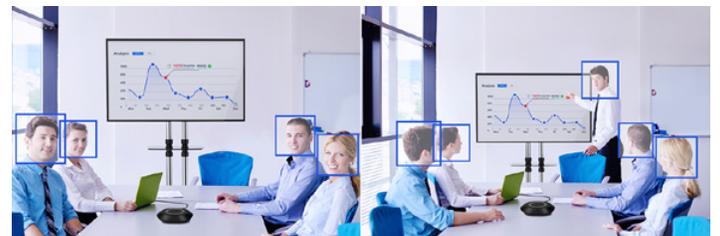
Achieve amazing acoustics

No need to worry about additional distractions like dogs barking or construction sounds. The VC550 speakerphone silences background noises like keyboard typing during a conference call and guarantees unmatched audio clarity.



Dynamic framing

Enhance meeting efficiency with dynamic Framing. The VC550 quickly focuses on participants and newcomers. The secondary AI lens springs to action to new participants when they enter the room, then the PTZ camera automatically re-frames participants for perfect video calling. Through fully automatic operation, this dynamic framing optimizes meetings and protects the safety of participants by eliminating touchpoints.



Highlight participants with Smart Gallery

Clearly capture attendees with Smart Gallery, which enables AI technology to crop participant's faces and make sure everyone is looking great. You can choose between headshot and half body mode to adapt to any meeting situation. Great for collaboration or video calling.

*Requires PTZApp2 to be running.

Headshot Mode



Half-body Mode



Product Overview

Camera Front



- 1 PTZ lens: 12X optical zoom
- 2 IR sensor
- 3 AI lens
- 4 LED indicator

Camera Back



- 1 Kensington lock
- 2 HDMI out
- 3 USB 3.1 type-B
- 4 RS232 in/out
- 5 LAN for IP streaming and Power over Ethernet (PoE)
- 6 DC 12V

Speakerphone Control Panel



- 1 Bluetooth button
- 2 Mute/Unmute
- 3 Phone input
- 4 Make/Answer call
- 5 Volume up
- 6 LED status indicator
- 7 Volume down
- 8 Hang up call

Speakerphone Back Panel



- 1 Phone in
- 2 Daisy-chain up to 3 speakerphones or 4 microphones
- 3 Line out
- 4 Micro USB 2.0
- 5 LAN for IP remote access
- 6 DC 12V

Specifications

Dual Lens Camera (CAM550)

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
- 24X Zoom: 12X optical; 2X digital zoom
- Wide field of view: DFOV 85°; HFOV 76°; VFOV 46°
- Lens focal length: 3.9 mm (wide) ~ 47.3 mm (tele)
- Lens F#: 1.8 (wide) ~ 2.8 (tele)
- AE, white balance: auto, manual override via PTZApp 2
- Minimum focus distance: 1.5m
- Motorized Pan & tilt: Pan: ±170°; Tilt: +90° (up) -30° (down)
- Preset number: 10 via IR remote, 128 via RS232

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 24X zoom.

*Please don't put the CAM550 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.

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 a FW upgrade. Please contact technical support for more details.

Power Supply

Camera

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

Speakerphone

- AC 100V to 240V, 50/60 Hz
- Consumption: 12W, 5A

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

EZManager 2: Camera Central Management Software

- Remotely manage group FW/SW updates, camera control, and 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

Connectivity

Camera

- 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

Speakerphone

- USB2.0 Micro USB connector
- 12V/5A DC jack power adapter
- LAN for IP remote access
- Expansion port (daisy-chain speakerphone or microphone)
- 3.5 mm phone-in jack
- 3.5 mm line out

Package contents

- CAM550 camera
- FONE540 speakerphone
- Power adapter x2
- Power cord x2
- USB3.1 Type-B to Type-A cable (9.8 ft) for camera
- Micro USB 2.0 to Type-A cable (16 ft) for speakerphone
- Remote control
- Mini DIN9 to mini DIN8 RS232 adapter cable
- HDMI cable (9 ft / 3 m)
- 3.5 mm aux cable
- Wall mount bracket and screws
- QR code card
- Tripod screw

Security and Mount

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

Warranty

- Camera, Speakerphone: 3 years
- Accessories: 1 year

Speakerphone (FONE540)

- Wireless Bluetooth / USB Wired for PC
- Full duplex microphone array speakerphone
- Two omnidirectional microphones support 360° pickup
- Full duplex echo cancellation
- Advanced noise suppression
- Powerful wideband voice processing
- Speaker volume: adjustable to 90 dB SPL at 0.5 m
- 3.5 mm line-in (aux) cable connects BYOD smartphones or PCs to use as speakerphones
- Touch controls for volume adjustment, mute, phone input, call, and hang up
- Can bridge phone-in and USB into one call
- Kensington lock

HDMI & PoE

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

Video Format

- YUV, YUY2, MJPEG
- Network video compression format: H.264, H.265
- Network protocol: RTSP, RTMP

Control

Camera

- 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 Support

Speakerphone

- UAC, plug and play
- WebUI: Browser IP access via Chrome (Not support IE)
- PTZApp 2 Support

Environmental Data

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

Dimensions (L X D X H)

- Package dimensions: 13.7 x 9.88 x 12.12 in
- Package weight: 17.41 lbs
- Camera: 6.72 x 6.77 x 7.5 in / 4.6 lbs
- Speakerphone: 8.66 x 1.94 x 7.14 in / 1.76 lbs
- Remote control: 7.87 x 1.18 x .82 in / .19 lbs

Innovative Features

- Dynamic auto framing: secondary AI lens detects all participants, new participants trigger PTZ lens to dynamically re-frame all participants.
- Preset framing tracks both preset area and speaker*
- Simultaneous 3-way output: USB, HDMI and IP connections
- Gesture control provides intuitive camera controls
- HDMI Picture in Picture (PIP) function
- Smart gallery** function creates great visibility
- Cableless access to meetings: Get rid of USB cable connections with AVer virtual USB streaming technology*** (One RJ45 cable transfers IP streaming to USB.)
- Audio tracking support: Integration with 3rd party ceiling microphone (Shure/Sennheiser) via AVer Preset Link**** function.

*Make sure preset areas are within AI lens' view.

** Smart gallery function will be available in Q2 2022 via FW update.

***Please download PTZApp 2 to set up Smart gallery, USB virtual streaming and Preset Link functionality.

Optional Accessories

- Mini DIN8 to D-Sub9 cable
- Ceiling mount*
- Foldable TV mount
- USB 3.1 Extension Cable (10 m/20 m/30 m)
- Expansion Speakerphone (32 ft cable included, daisy-chain up to three speakerphones)
- Expansion Pair Microphone (Two 16 ft cables included, daisy-chain up to four microphones)

*CAM550 is a dual lens camera and doesn't support upside-down installation. For ceiling mounting, please see the AVer ceiling mount.

System Requirements

- Windows® 7/10
- MacOS X 10.7 or later
- Google Chromebook™ version 29.0.1547.70 or higher

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

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.

Distributor/Dealer



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