



**View Clearly and
Capture Widely**

CAM550

4K Dual Lens PTZ Conferencing Camera



made with
Qualcomm
Technologies



The AVer CAM550 delivers intelligent focus for captivating meetings in mid-to-large rooms. Its AI lens ensures everyone's seen clearly, while Smart Gallery displays individual remote participants. Gesture control and 4K dual-lens technology provide intuitive operation and stunning detail. Pair the CAM550 with the FONE700 speakerphone system for Voice Tracking, with automatic focus tracking and crystal-clear audio for truly captivating meetings.



Dual Lens



Gesture Control



Smart Gallery



HDMI® 1080p



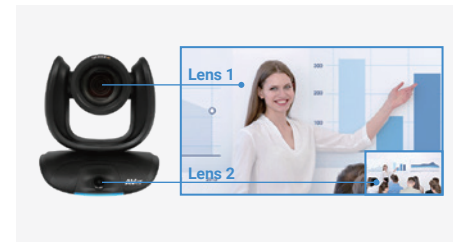
Dynamic Framing



Voice Tracking

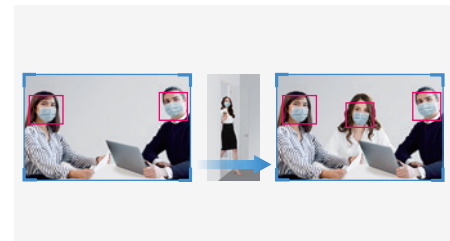
4K Dual Lens Offers Wide-angle Clarity for Mid-to-Large Scale Rooms

Capture a complete view of the room with wide-angle clarity. The CAM550 features two 4K lenses. The first is a PTZ camera with 12X optical zoom (24X total zoom) that clearly frames meeting participants. The second is an AI lens with 95° FOV to provide a panoramic view of the room.



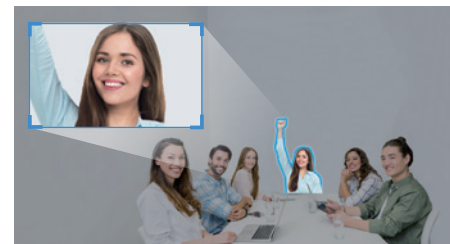
Dynamic Framing Enhances Meeting Efficiency

The CAM550 quickly and precisely focuses on participants and newcomers. When newcomers walk in, the secondary AI lens springs to action to detect them, then the PTZ camera automatically re-frames. Through fully automatic operation, this dynamic framing optimizes meetings and protects the safety of participants.



AI Gesture Recognition Delivers Contactless Control

Take advantage of intuitive gesture control to operate the camera. Built-in AI gesture recognition eliminates touchpoints. Camera controls have never been easier or safer.



Highlight Participants with Smart Gallery

Clearly capture attendees with Smart Gallery, which enables AI face and body detection technology to crop participants' faces and ensure all participants are clearly visible. You can choose between headshot and half body mode to adapt to any situation without



AVer Camera & Speakerphone Collaboration with Voice Tracking

The CAM550 and FONE700 work seamlessly as a team. FONE700 intelligently detects the active speaker's location, guiding CAM550 to automatically adjust its view and keep the speaker in focus. No more manual adjustments! Enjoy smooth meeting flow, clear FONE700 audio, and focused visuals for a truly engaging meeting.



Product Specifications

Dual Camera

PTZ optical zoom lens

- Image Sensor: 1/2.8" 4K Sony Exmor CMOS
- 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
- Viewing Angles: DFOV 85°; HFOV 76°; VFOV 46°
- Lens Focal Length: 3.9mm (Wide) ~ 47.3mm (Tele)
- AE, White Balance: Auto, Manual override via Room Management (PTZApp 2)
- Minimum Focus Distance: 1.5 m
- Viewing Area: Pan: ±170°; Tilt: +90° (up) -30° (down)
- Preset Number: 10 via IR Remote, 128 via RS-232

Secondary fixed lens (AI lens)

- Image Sensor: 1/2.5" 4K Sony Exmor CMOS
- Viewing Angles: DFOV: 95°, HFOV: 82°, VFOV: 52°

Innovative Features

- Dynamic Auto Framing: Secondary AI lens detects all participants, new participants trigger PTZ lens to dynamically 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 offers great visibility for individual participants in the meeting room
- AVer Virtual USB Streaming Technology*: One RJ-45 cable transfers IP streaming to USB
- Voice Tracking: Integration with 3rd party ceiling microphone (Shure/Sennheiser) via AVer Preset Link* function.

Connectivity

- USB Type-B 3.1 connector, backward compatible with USB 2.0
- 12V/2A DC jack power adapter
- Mini DIN9 for RS-232 in & out connection (VISCA control panel and camera daisy-chain)
- IP (RJ-45)
- HDMI®

HDMI® & PoE

- Supports HDMI® Output: 1080p 30fps/60fps
- PoE+: 802.3at

Video Format

- YUV, YUY2, MJPEG
- Network Video Compression Format: H.264, H.265
- Network Protocol: RTSP, RTMP

USB

- 3.1 Gen 1, backward compatible with USB 2.0
- UVC 1.1 (USB Video)

Control

- IR Remote Control
- VISCA/Pelco P/Pelco D via RS232 (128 preset points via VISCA command)
- Remote Side: VISCA over IP, IP (RJ-45) UVC Plug-and-Play
- WebUI: Browser IP access via Chrome. (Not support IE)
- OSD Setting: HDMI® out to TV monitor
- Room Management (PTZApp 2)

Power Supply

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

Software Tools

Room Management (PTZApp 2)

- Supports Windows® 7 or later, macOS® 11.6 or later

Enterprise Management

- Supports Windows® 10 or later

Cloud Management

- Supports Windows® 7 or later, macOS® 10 or later

EZManager 2

- Supports Windows® 7 or later

EZLive

- Supports Windows® 7 or later, macOS® 10.13 or later

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

CAM520 Pro3 Camera:

- Dimensions (W x H x D): 17.1 x 19 x 17.3 cm
- Net Weight: 2.1kg

Remote Control:

- Dimensions (W x H x D): 20 x 5 x 2.1mm
- Net Weight: 90g

Optional Accessories

- Mini DIN8 to D-Sub9 Cable
- AVer 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
- Wall-Mount Bracket
- Foldable TV Mount (Optional)
- Ceiling Mount (Optional)

System Requirements

- Windows® 7/10/11
- macOS® 14.4 or later
- Google Chromebook™ with Chrome OS 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

Compatible Applications

Zoom, Microsoft® Teams, Google Meet™, Intel® Unite™, RingCentral, BlueJeans, V-Cube, LiveOn, CyberLink U Meeting®, TrueConf, Adobe® Connect, Cisco Webex®, Fuze, GoToMeeting™, VidyoConnect™, vMix, WebRTC, Wirecast, XSplit

Package Contents

- CAM550
- 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
- Tripod Screw
- Drill Paper

* Please use Room Management (PTZApp 2) to set up 24X zoom, Smart Gallery, USB Virtual Streaming, and Preset Link functionality.
** Specifications may vary depending on countries and are subject to change without notice.
† All HDMI trademarks and trade dress are registered trademarks or trademarks of HDMI Licensing Administrator, Inc.

Product Appearance

Front



Back



©2026 AVer Information Inc. All rights reserved.
All brand names and logos are trademarks of their respective companies.

Distributor/Dealer