CAM520 Pro3

BYOD GOAT
GREATEST OF ALL TIME

Enterprise Grade Conferencing Camera for Mid-to-Large Rooms

The AVer CAM520 Pro3 is a versatile Full HD PTZ video conference camera with a 36X total zoom, upgraded AVer SmartFrame, Preset Framing, Smart Composition, and a Sony WDR Sensor. It also provides three output options, including HDMI, for versatile streaming. What sets the CAM520 Pro3 apart is Smart Composition, an embedded AI feature that instantly captures meeting participants' images to enhance video conferencing for meeting equity in medium to large meeting rooms.

Catch Every Detail and Master Your Presentations with a 36X Total Zoom Lens

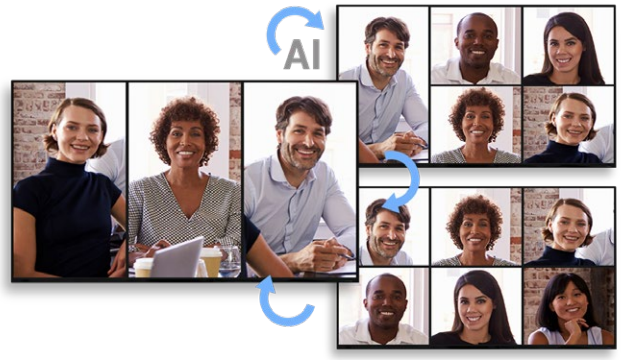
Optimize your Meetings with the CAM520 Pro3 Full HD PTZ Lens. Its 80.5° diagonal field of view allows for wide shots, while flexible pan and tilt controls let you focus on presenters, attendees, whiteboard content, or physical objects. Achieve precision with a 12X optical lens and a 36X⋆ total zoom up to 70 feet without distortion (12x optical + 6x digital). Additionally, the CAM520 Pro3 features 24X lossless zoom for exceptional clarity in remote meeting s, making it the ultimate conferencing camera for medium to large rooms.

⋆Use PTZApp 2 to set up 36X zoom.

Accurately Capture Attendees in Flexible Layouts with AVer Smart Composition

The CAM520 Pro3 sets a new standard in the video conferencing industry by incorporating Smart Composition⋆, a feature typically found only in high-end devices. Smart Composition uses an AI algorithm to automatically crop each participant's face or body in a perfect frame. This user-friendly click-to-play feature requires no software setup. Seamlessly switch between headshots and half-body views, effortlessly transitioning from individual to group visuals. With the CAM520 Pro3, you'll enjoy high-definition participant views, streamlining meeting setups for maximum collaboration and meeting equity.

⋆Works for up to 9 people.



Conduct More Efficient Meetings with AVer's Upgraded SmartFrame

AVer's CAM520 Pro3 enhances your meeting efficiency through its advanced SmartFrame technology. This AI feature automatically centers on participants, even from a remarkable distance of up to 22 feet away, ensuring clarity even when masks are worn. Additionally, the CAM520 Pro3 offers a Preset Framing mode that intelligently tracks presenters within predefined zones. By configuring multiple preset viewing areas, the camera smoothly adjusts as the presenter moves, eliminating the need for manual

Expand Display Options with Multiple Video Outputs

With the CAM520 Pro3, you can effortlessly deliver simultaneous 1080p/60fps presentations through HDMI and USB 3.1 streaming or RTSP/RTMP H.264 broadcasting. Don't be restricted by only one type of video output, utilize the HDMI, USB, and streaming capabilities for your production needs.

Achieve Imaging Excellence in Any Meeting Environment

The CAM520 Pro3 ensures lifelike meetings even in challenging high-contrast backlight environments, like sun-drenched meeting rooms. Leveraging its Sony sensor and advanced image-tuning algorithm, it automatically enhances highlights, shadows, and white balance. Plus, with AVer's Virtual Streaming technology, you can use the CAM520 Pro3 as a video source for virtual meetings via a single Ethernet connection. Additionally, a PoE+ port simplifies setup and cuts down on installation costs. Get ready to enjoy enterprise-grade imaging in every meeting.

Specifications

Camera

- Sony super-low-light 8M pixel sensor, clear and natural imaging in low-light conditions, providing ultra FHD image quality
- Resolution: (16:9) 1920 x 1080, 1280 x720 at 60, 30, 15fps; 1600 x 900, 960 x 540, 848 x 480, 800 x 448, 640 x 360, 424 x240, 320 x 180 at 30, 15fps; (4:3) 1280 x 960, 800 x 600, 640 x 480, 480 x 360, 320 x 240 at 30,15fps
- SmartFrame for automatic FOV adjustment to fit all participants
- Smart Composition function offers great visibility for individual participant in the meeting room
- Innovative Preset Framing: Follow presenter based on preset areas
- WDR: Superb backlight compensation technology for optimizing light balance in high-contrast conditions
- Zoom: 36X* total zoom (12X optical zoom)
- Field of view(D/H/V): 80.5°/72.8°/44.1°
- Lens focal length: 3.9 mm (wide) ~ 46.8 mm (tele)
- Lens F#: 1.6 (wide) ~ 2.8 (tele)
- Mirror, flip, AE, white balance: auto/manual override via PTZApp 2
- Minimum focus distance: 1 m
- Standard tripod screw holes and Kensington slot
- People-counting API: enterprises and third-party software providers can obtain people-counting data for better understanding of meeting-space usage

** Please use PTZApp 2 to set up 36X zoom*

Motorized pan and tilt movement

- Pan: ±170°
- Tilt: +90° (up) -30° (down)
- 10 camera presets (via remote control)
- Fast and quiet pan/tilt movement

Video format

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

Connectivity

- 12V/2A power adapter
- Mini DIN9 for RS232 in & out connection (VISCA control panel and camera daisy-chain)
- USB3.1 Type-B connector
- IP (RJ45)
- HDMI 1.4

USB

- 3.1 Gen1 Type B, backward compatible with USB 2.0
- UVC 1.1 (USB video), UVC 1.5*

** UVC1.5 requires an additional firmware 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 (Does not support Internet Explorer)
- PTZApp 2

Mount

- Camera wall-mount bracket included
- Optional foldable TV mount
- Optional ceiling mount

System requirement

- Windows® 7/10/11
- Mac OS X 10.14 or higher
- Google Chromebox 3 version 94.0.4606.114 or later

PC hardware requirement

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

Web page browser requirement

- Chrome: Version 76.x or above
- Firefox: Version 69 or above
- IE: Not supported

Power supply

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

Free applications for meeting collaboration (Windows® and MAC)

EZManager 2: Camera central management software

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

PTZApp 2

- Support Virtual Streaming function
- Smart gallery*/ Virtual USB streaming/ Preset Link
- Upgrade firmware automatically or manually
- Control camera
- Set parameters and adjust camera image
- Diagnose operating status
- View live video

** Will be supported in future update*

EZLive

- Annotating / Image capturing / Video recording

Dimensions (D x W x H)

- Package dimensions: 256x256x274 mm
- Camera: 142.7x153x182 mm/1.47 kg
- Remote control: 200x5x21 mm/0.09 kg
- Package weight: 3.335 kg/7.35lbs

Environmental data

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

Package contents

- CAM520 Pro3 unit
- Remote control
- USB2.0 type-B to type-A cable (16ft/5m)
- Power adapter (10ft/3m)
- QR Code Card
- Wall-mount bracket
- ¼" tripod screw
- Mini DIN9 to mini DIN8 RS232 adapter

Optional accessories

- MiniDIN8 to D-SUB9 RS232 Cable
- USB3.1, 3m type-B to type-A cable
- HDMI Cable
- Ceiling mount
- 1-Port POE+ Injector
- Foldable TV mount

Warranty

- Camera: 3 years*
- Accessories: 1 year

Compatible applications

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

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