Product 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: 1m
- 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 & 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 compression format: H.264
- Network protocol: RTSP, RTMP

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

Connectivity

- 12V/2A power adaptor
- Mini DIN9 for RS232 in & out connection (VISCA control panel and camera daisy chain)
- USB 3.1 type-B
- IP (RJ45)
- HDMI 1.4

USB

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

** UVC1.5 requires an additional firmware upgrade. Please contact technical support for more details.*

Mount

- 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
- Google Chromebox 3 version 94.0.4606.114 or later

PC Hardware Requirement

- 3.2 GHz Intel® Core™ i5-4460 processor
- 8 GB RAM or more
- USB 3.1 port , backward compatible with USB2.0 port

Environmental Data

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

Dimensions

- Package dimensions: 256 x 256 x 274 mm
- Package weight: 3.335 kg/7.35 lbs
- Camera: 182 x 142.7 x 153 mm/1.47 kg
- Remote control: 200 x 50 x 21 mm/0.09 kg

Optional Accessories

- Mini DIN8 to D-SUB9 RS232 adapter
- USB3.1 fiber extender 10m/20m/30m
- USB3.1, 3m type-B to type-A cable
- HDMI Cable
- Ceiling mount
- 1-Port POE+ Injector
- Foldable TV mount

Web page browser requirement

- Chrome: version 76.x or above
- Firefox: version 69 or above
- IE: Not support

Power Supply

- AC 100V ~ 240V, 50/60 Hz
- 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

EZLive
- Annotating / Image capturing / Video recording

**Will be supported in future update*

Package Contents

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

Warranty

- Camera: 3 years*
- Accessories: 1 year

**We offer an optional 2-year extended warranty in Europe. Please contact your local supplier for details.*

Compatible Applications

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

*** Specifications may vary depending on countries and are subject to change without notice.*

Product Appearance

Front Panel



H182 x W142.7 x D153 mm

Back Panel



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Distributor/Dealer

202303



CAM520 Pro3

Professional USB 3.1 Conferencing Camera for Mid-to-Large Rooms



Masterful Navigating and Presenting

AVer CAM520 Pro3 offers extreme versatilities to users by 36X total zoom PTZ camera, upgraded AVer SmartFrame, Preset Framing and Sony WDR Sensor. Moreover, HDMI connection enables dual-display and 3-way output to bring more streaming selections. Especially, the CAM520 Pro3 delivers Smart Composition, this AI function has ability to capture attendee’ s images quickly with installation-free usage and achieve productive video conference in mid to large meeting rooms.



1080P Full HD — Full HD 1080p

Smart Composition

36X — Present Every Detail

Efficient and Safe Meetings

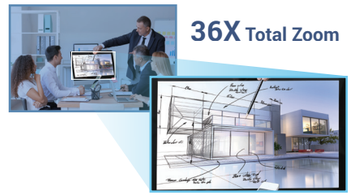
WDR — Enterprise-Grade Imaging

3 Outputs — HDMI Enables Dual Display and 3-Way Output

Mastering The Detail Through 36X* Total Zoom Lens To Boost Up Your Business

Creating the error-less meeting environment with CAM520 Pro3 PTZ lens. Capture a wide shot with a 80° diagonal field of view, focus on presenters, attendee, content on whiteboards or physical object with flexible pan and tilt controls. Powerful handle all the details by a 12X optical lens and 36X* total zoom, CAM520 Pro3 is notably equipped 24X lossless zoom to delivers outstanding image and clarity to remote participants and partners. What’ s a top choice conference camera for Mid-to-Large room solution!

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



Delicate Capture The Visual of Attendees Precisely by AVer Smart Composition And Flexibility To Present Various Layouts

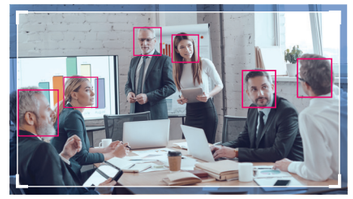
The CAM520 Pro3 is proud to be one of very first PTZ cameras in the video conferencing industry provide Smart Composition function which is often presented in high-end models only. Automatically cropping each participant’ s face or body in great aspect via AI algorithm, Smart Composition is a click-to-play feature with no requirement on any software setting! Smartly integrate head-shot and half-body view, convert from individual visual to group image smoothly, CAM530 Pro3 delivers the great portrait of participants, each one shares equal high-def clarity. Stress-free in meeting setup and get the most productive result.

*For maximum 6 people meeting



Conduct More Efficiency And Security Meetings Through The Upgraded AVer SmartFrame

With enhanced SmartFrame, AVer guaranties to elevate your meeting efficiently and safety. It utilizes AI tech to automatically capture and focus on the key individuals in the frame, ensuring that all participant exhibiting any facial disposition or masked facade from an impressive distance of 7 meters!
CAM520 Pro3 provides Preset Framing mode which can follow the presenters efficiently through preset areas. By setting multiple preset viewing areas, camera will automatically shift to as the presenter moves without any manual control!



HDMI Enables Dual Display and 3-Way Output Creating Diverse Display Preferences

Simultaneously presenting in 1080p/60fps via USB 3.1 streaming or RTSP/RTMP H.264 broadcasting and HDMI streaming, CAM520 Pro3 enables a 2nd display for virtual meetings. AVer offers various connection options to create the seamless hybrid meeting experiences for your business.



Enjoy Enterprise-Grade Imaging Without limitation

CAM520 Pro3 provides lifelike meetings even in sunshine meeting room (ex: in high-contrast backlight environments). By applying the Sony sensor and advanced image-tuning algorithm, CAM520 Pro3 cam automatically refining highlights, shadows, and white balance beautifully. Furthermore, with AVer Virtual Streaming technology, the CAM520 Pro3 can be utilized as a camera video source for virtual meetings through a single Ethernet connection, and by the presence of a PoE+ port streamlines the setup process and reduces expenses associated with installation. You deserve to experience enterprise-grade imaging in every meeting.

