



# CAM520 PRO

## Advanced

Enterprise-Grade USB Video Conference Camera with HDMI and PoE+



### 18X total zoom

The CAM520 PRO Advanced offers superior auto-focus optics with 12X true optical zoom which delivers seamless pan, tilt, and zoom performance. With the ability to capture even the smallest details with absolute clarity at every focal length, the CAM520 PRO Advanced is one of the fastest and smoothest 18X total zoom cameras available on the market today.



### Constant clarity with true WDR

Wide Dynamic Range (WDR) controls light exposure and quickly processes the light values in high-contrast backlight environments to provide clear images. Feel confident holding your meeting in any lighting, anywhere.



### RS232 integration capabilities

AVer's award-winning USB video conference camera features RS232 integration with VISCA support. The CAM520 PRO Advanced can easily be integrated into a controlled environment allowing users to operate and manage the camera through an AV control panel.



### IP based management and streaming

Ethernet network connectivity allows you to manage and control the CAM520 PRO Advanced via a web browser or centralized management software. Easily connect live video content using an H.264 RTSP/RTMP stream to your cloud base or on-premise streaming delivery network. Reduce installation costs by utilizing the PoE+ port.



# Specifications

## Camera

- Sony Exmor: 1/2.8 low lux CMOS 2M pixel
- Resolution: (16:9) 1920x1080, 1600x900, 1280x720, 960x540, 848x480, 800x448, 640x360, 424x240, 320x180; (4:3) 800x600, 640x480, 480x360, 320x240 at 60, 30, 15fps
- SmartFrame for automatic FOV adjustment to fit all participants
- True WDR up to 120db: Superb backlight compensation technology for optimizing light balance in high-contrast conditions
- Zoom: 18X total zoom (12X optical zoom)
- Wide field of view (DFOV): 82°
- Lens focal length: 3.9mm (wide) ~ 47.3mm (tele)
- Lens F#: 1.8 (wide) ~ 2.8 (tele)
- Mirror, Flip, AE, white balance: auto, manual override via PTZApp
- Minimum focus distance: 1.5m
- Standard tripod screw holes and Kensington slot

## Motorized pan and tilt movement

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

## Video format

- YUV, YUY2, MJPEG, NV12
- Network video compress format: H.264
- Network protocol: RTSP, RTMP

## HDMI & PoE+

- HDMI 1.3: up to 1080p 60fps
- DIP Switch
- PoE+: 802.3at

## USB

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

## Connectivity

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

## 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/UAC plug and play
- WebUI: Browser IP access via Chrome (Not support IE)
- OSD setting: HDMI out to TV monitor
- PTZApp

## System requirement

- Windows® 7/10
- Windows® 10 Enterprise (IOT) LTSC (version 1809)
- Mac OS X 10.7 or higher
- Google Chromebook version 29.0.1547.70
- Android 5 or higher

## Hardware spec

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

## Mount

- Camera wall-mount bracket included (SKU: COMVCMNT6)

## Web page browser requirement

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

## Power supply

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

## Free applications for meeting collaboration (Windows® and MAC)

## EZManager : Camera central management software

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

## PTZApp

- Compatible with Skype™ for business far-end control
- Upgrade firmware automatically or manually
- Control camera
- Set parameters and adjust camera image
- Diagnose operating status
- View live video

## EZLive

- Real-time streaming/annotating/ snapshots/video recording

## Dimensions (D x W x H)

- Package dimensions: 256 x 256 x 274mm
- Package weight: 3.335kg/ 7.351lbs
- Camera: 153 x 142.7 x 182mm
- Remote control: 200 x 50 x 21mm/ 0.09kg

## Package contents

- CAM520 Pro Advanced unit
- Remote control (SKU: COMVREMOT)
- USB 3.1 Type-B to Type-A cable (10ft/ 3m)
- Power adapter (10ft/ 3m) (SKU: CPWRC540)
- Quick-start guide
- Warranty card
- Wall-mount bracket
- ¼" tripod screw
- HDMI cable (10ft/ 3m)
- Mini Din9 to RS232 adapter (SKU: COMPRO232)

## Environmental data

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

## Optional accessories

- MiniDIN8 to DB9 RS232 Cable (SKU: PTDIN8PT1)
- Ceiling Mount (SKU: PTMLTWA01)

## Warranty

- Camera: 3 years (US & Canada only)
- Accessories: 1 year

## Compatible applications

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

## Certifications

- CAM520 PRO Advanced is certified for Microsoft Teams and Skype for Business
- CAM520 PRO Advanced is Zoom certified



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