



## CP-PVOT-C1511

### Specification Sheet

#### Pivot 4K ePTZ Auto-Framing Camera

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## Description

The Captivate™ CP-PVOT-C1511 is an enterprise-grade ePTZ camera ideal for use in video conferencing, distance learning, and other applications in huddle rooms and small to medium-sized meeting spaces. This camera features a USB-C interface for video and audio and can be used with the Omega™ Series, AT-USB-EX100-KIT, and OmniStream™, or interfaced directly with a PC. The CP-PVOT-C1511 offers a 110° wide horizontal field of view with electronic pan, tilt, and zoom capabilities, plus auto-framing functionality that reframes the camera based on detection of up to six participants. It delivers high-quality imaging with video resolutions up to 4K 30 Hz, and features a 2-microphone array with a 5 meter (16 foot) audio pickup range. The CP-PVOT-C1511 can be installed on a flat-panel display with an adjustable mounting clip and features a 1/4-20 UNC standard screw thread for a tripod or other camera mount.

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## Applications

### Huddle Rooms

- The CP-PVOT-C1511 offers a generous 110° coverage for huddle rooms and other compact-sized spaces. Combine with the AT-CAP-SP100 speakerphone and AT-OME-MH21 switcher, or an Omega Series extender for a comprehensive huddle room AV solution.

### Small to Medium-Sized Meeting Rooms

- This camera automatically frames the image based on people detected within the camera's field of view and continuously adjusts as participants enter and leave. The CP-PVOT-C1511 can be used with the CP-VOYC-M1501-BT and AT-OME-MS42.

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## Key Features

- Designed for video conferencing and other applications with AV systems supporting USB interfacing and extension.
- USB-C interface for video and audio, as well as device powering.
- Universal PC and Mac® compatibility through standard UVC 1.1 (USB Video Class) enables simple plug-and-play operation.
- Works with popular soft codec and UC clients including Microsoft Teams, Zoom, BlueJeans, Webex®, Google Meet™, GoToMeeting®, and Amazon Chime®.
- USB camera control available from compatible apps such as Zoom Rooms.

- Automatically detects and re-frames cameras for up to 6 participants.
- 4× digital zoom and 110° wide horizontal field of view (zoom fixed to 1× for 4K video).
- Fast, responsive ePTZ (electronic pan, tilt, and zoom) camera functions.
- 2-microphone array with 5-meter (16 foot) audio pickup range.
- High performance imaging with fine detail and color rendering via 1/2.8" 4K CMOS sensor.
- Available video resolutions from 640×360 up to 4K 30 Hz (up to 1080p with ePTZ or auto-framing).
- Fast and accurate auto focus, plus auto white balance mode.
- Auto exposure mode with backlight compensation for low-lighting conditions.
- Picture controls are available for brightness, color, saturation, contrast, and sharpness.
- IR control — handheld IR remote control included.
- Three camera presets accessible from the IR remote.
- On-screen display (OSD) for setting up and adjusting camera settings.
- Adjustable mounting clip for installing camera on a display.
- Compatible with 1/4-20 UNC tripod screw thread standard.
- Supports wall installation below a display with third-party mounting hardware (image flip / mirroring available).
- Includes installation guide, IR remote control, and 1.8-meter (6 foot) USB-C to Type-A cable.

## Specifications

Video	
Signal	USB
USB 2.0 — MJPEG, H.264/265	1920×1080 @ 30/25 Hz 1280×720 @ 30/25 Hz 640×360 @ 30/25 Hz
USB 2.0 — YUY2	640×360 @ 30/25 Hz
USB 2.0 — NV12	640×360 @ 30/25 Hz
USB 3.0 — MJPEG, H.264/265	3840×2160 @ 30/25 Hz 1920×1080 @ 30/25 Hz 1280×720 @ 30/25 Hz 640×360 @ 30/25 Hz
USB 3.0 — YUY2	1920×1080 @ 30/25 Hz 1280×720 @ 30/25 Hz 640×360 @ 30/25 Hz
USB 3.0 — NV12	1920×1080 @ 30/25 Hz 1280×720 @ 30/25 Hz 640×360 @ 30/25 Hz
Camera	
Sensor	1/2.8" CMOS, Progressive scan
Effective Pixels	8.42 MP
Focal Length	f = 2.1 mm
View Angle	D: 120.1°, H: 109.7°, V: 87°

Aperture	F2.2	
Digital Zoom	4×	
White Balance	Auto, Manual, Static	
Video Adjustment	Brightness, Contrast, Hue, Saturation, Sharpness, Gamma, Gain	
Exposure Control	Auto	
SNR	≥ 50 dB	
<b>Audio</b>		
Audio Input	Built-in dual microphone array, 5 m (16 ft) pickup range	
<b>Connectors</b>		
USB	1 × USB-C 3.0	
<b>Environmental</b>		
Operating Temperature	+32° to +104°F	0° to +40°C
Storage Temperature	-4° to +140°F	-20° to +60°C
Operating Humidity (RH)	10% to 90%, non-condensing	
<b>Power</b>		
Consumption	< 2.5 W	
BTU/h	4.6	
Supply	5 V DC, 0.5 A (via USB)	
<b>Dimensions (H × W × D)</b>		
Unit	1.89 × 8.27 × 2.91 in.	48 × 210 × 74 mm
<b>Weight</b>		
Device	10.58 oz	300 g
<b>Certification</b>		
Device	CE, FCC	
<b>Compliance</b>		
NDA-899	Yes	
<b>Warranty</b>		
Device	To view the product warranty, visit: <a href="https://hallresearch.com/warranty">hallresearch.com/warranty</a>	

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