



Introduction

The Atlona **Captivate™ AT-CAP-FC110** 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. The CAP-FC110 can be used with the Omega™ Series, AT-USB-EX100-KIT, and OmniStream™, or interfaced directly with a PC. This camera offers a 110° wide horizontal field of view and features electronic pan, tilt, and zoom capabilities, as well as an auto-framing functionality that reframes the camera based on detection of up to six participants. The CAP-FC110 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. It 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.

Applications

- **Huddle rooms**
The CAP-FC110 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 CAP-FC110 can be used with the CAP-SP110 and AT-OME-MS42-KIT.

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 simply plug-and-play operation.
- Works with popular soft codec and UC clients such as 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 camera for up to 6 participants.
- 4x digital zoom and 110° wide horizontal field of view (zoom is fixed to 1x 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, fine detail, and color rendering with 1/2.8" 4K CMOS sensor.
- Available video resolutions from 640x360 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 available for brightness, color, saturation, contrast, and sharpness.
- IR control – convenient handheld IR remote control included.
- Three camera presets available, accessible from 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 male cable.

Specifications

Video		
Signal	USB	
Formats	USB 2.0 Compression	USB 2.0 Resolution @ FR
	MJPEG, H.264/265	1920x1080 @ 30/25 Hz, 1280x720 @ 30/25 Hz, 640x360 @ 30/25 Hz
	YUY2	640x360 @ 30/25 Hz
	NV12	640x360 @ 30/25 Hz
	USB 3.0 Compression	USB 3.0 Resolution @ FR
	MJPEG, H.264/265	3840x2160 @ 30/25 Hz, 1920x1080 @ 30/25 Hz, 1280x720 @ 30/25 Hz, 640x360 @ 30/25 Hz
	YUY2	1920x1080 @ 30/25 Hz, 1280x720 @ 30/25 Hz, 640x360 @ 30/25 Hz
	NV12	1920x1080 @ 30/25 Hz, 1280x720 @ 30/25 Hz, 640x360 @ 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	4X
White Balance	Auto, Manual, Static
Video Adjustment	Brightness, Contrast, Hue, Saturation, Sharpness, Gamma, Gain
Exposure Control	Auto
SNR	≥ 50 dB

Audio	
Audio Input	Built-in dual MIC pick-up

Connectors	
USB	1 x USB-C 3.0

Temperature	Fahrenheit	Celsius
Operating	+32° to 104°	0° to +40°
Storage	-4° to 140°	-20° to +60°
Operating Humidity (RH)	10% to 90%, non-condensing	

Power	
Consumption	< 2.5 W
Supply	5 V DC, 0.5 A (USB)

Dimensions (H x W x D)		Inches	Millimeters
Unit		1.89 x 8.27 x 2.91	48 x 210 x 74
Weight		Ounces	Grams
Device		10.58	300
Certification			
Device		CE, FCC	
Compliance			
NDA-899		Yes	
Warranty			
Device		3-year limited	

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