

PanaCast[®] 2 Camera

Industry-First Panoramic-4k USB Plug-and-Play Video Camera



Natural-Looking 180° wide by 54° tall Panoramic Field of View

The PanaCast[®] 2 camera is a plug-and-play USB device that connects directly to your PC or Mac. It delivers a panoramic-4k quality video stream, 180° wide by 54° tall, along with high fidelity stereo audio.

PanaCast 2 transforms how we see and connect electronically. It lets you add the natural human field of view to your meetings and gatherings with a simple Plug-and-Play device.

Use it to improve your collaboration experience with popular apps and services such as Skype[®] for Business, Skype[®], Cisco WebEx[®], Citrix[®] GoToMeeting[®], Google[®] Hangouts[™], Facebook[®], and more. Simply plug in and go, without the need to download or install any drivers or software to get started.

Conventional cameras typically deliver a narrow field of view. The PanaCast 2 gives you an ultra wide field of view so you can see more of what you need to see, as shown in Figure 1.

Benefits

- Immersive 180° x 54° view
- Plug-and-Play
- USB 3.0 and USB 2.0
- Up to 4.15 MP video
- Better video at all resolutions
- HD quality stereo audio built-in
- Works with Microsoft[®] Lync[®], Skype[®], Cisco WebEx[®], Citrix[®] GoToMeeting[®], Google[®] Hangouts[™], Facebook[®],...



Figure 1: PanaCast 2 Video Stream (180° X 54°)

The camera produces natural-looking panoramic video by combining video streams from three imagers simultaneously and processing these in the PanaCast video processor on-board to dynamically stitch, optimize and render the video to a mathematically-correct cylindrical projection with ultra-low latency of <~5ms from photons to USB data.

With the optional, lightweight app, as the host, you can directly control pan, tilt and zoom capabilities in the panoramic video stream and focus participants' attention on what you want to highlight, all in real-time and whenever you like.

With the PanaCast Experience Service, you can access enhanced capabilities, including 4.15 Megapixel video as part of the panoramic, interactive experience, on your own device, anytime/anywhere. Every participant in a PanaCast Experience session is in control of his/her view. One viewer might be zoomed in while another might be watching the full panoramic image of the whole scene, from any one of five cameras, without disturbing the experience of other participants.

PanaCast Experience, built for Skype[®] for Business / Microsoft[®] Lync[®]¹ delivers customers a unique, personal and interactive experience in a very cost effective and simple-to-use way.

¹ Developed independently via SIP Extensions for Microsoft[®] Lync[®]

Camera Specifications

Tech Specifications

- Panoramic-4k: 3840 x 1088; 4.15 MP YUV 4:2:2, MJPEG
- HD: 1920 x 1088; 2.1 MP YUV 4:2:2, MJPEG
- ~180° (H) x 54° (V)
- 188° DFOV
- Adjustable FOV through UVC PTZ command set
- Frame rate up to 30fps
- Latency: <= 5ms
- 5V Power Jack
- 0.3m to Infinity – Fixed Focus (each imager)
- 10 Lux
- Motion JPEG Built-in
- Auto 50/60 Hz Detect Built-In
- Color Controls
 - Sharpness
 - Brightness
 - Gamma
 - Saturation Control
 - White Balance (Man.)
- Status Indicator
 - LEDs Built-in
 - Lightweight ePTZ App (optional)
- Product Certifications
 - FCC Part 15 Class A (for commercial use only)
 - ROHS, REACH Compliant

System Requirements

- Plug-and-Play for Windows and Mac applications
- Supports USB Video Class (UVC) Driver
- USB 2.0/3.0
- Windows 7,8,8.1 or later
- Mac OS X 10.9 or later

Product Information

- Weight: 125g
- Width: 60 mm
- Height: 25 mm
- Length: 74 mm
- Operating Temperature: 0° C - 40° C
- Operating Humidity: 15%-85% (Non-Condensing)

What's In The Box?

- PanaCast® 2 Camera
- Table Stand/Wall Mount
- Quick Reference Guide
- USB 3.0 cable
- Power Adapter

Warranty

- You can find a detailed description of our [Warranty](#).

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation



About Altia Systems



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Altia Systems® (getpanacast.com) is a venture-backed company based in Cupertino, CA, and is the creator of the PanaCast® Experience solution. The award-winning PanaCast® offers a unique experience that enables anyone on desktop or mobile to communicate in interactive, real-time Panoramic-HD 200° field-of-view video that replicates the human panoramic perspective.