

iCam 360

INFOBIT 360° Panoramic All-in-One Conference Camera



Introduction:

The INFOBIT AV iCam 360 integrates a 360° camera, speakers, and voice-tracking microphones in a design as portable as it is stylish. The camera requires no external devices or time-consuming setup efforts. Plug in the USB and start your meeting. Operating in Standalone Mode, the iCam 360 provides full performance right out of the box.

Designed for huddle to small-sized meeting spaces, the iCam 360 tracks every face and follows every word when placed in the center of the table—making this a highly functional meeting tool that is small enough to be carried in one hand.

The iCam 360 integrates four 4k cameras to create a 360-degree camera, speakers, and voice-tracking microphones into a design as portable as it is stylish. Equally impressive, the camera requires no external devices or time-consuming setup efforts. The result is impressive performance and intuitive operation. With its sleek, robust design, the new INFOBIT iCam 360 combines 4-lens precision with intelligent speaker tracking for a true 360-degree immersive meeting experience.



The iCam 360 offers a rich feature set that makes operation easy. With its 360-degree panoramic wide-angle view, each person at the table appears front and center on screen. And with its 5MP 4-lens camera, the iCam 360 captures every meeting participant's face clearly and without any unflattering distortion. Further, the iCam 360's one-tap mode switching and LED voice location indicator transforms even the most challenging spaces into productive meeting places.

Operating the INFOBIT iCam 360 is quick and easy. With Standalone mode, the iCam 360 provides full performance right out of the box. Simply connect the unit via USB and start your meeting. There is no software to install and no complicated settings to configure. Users can easily select a collaboration scenario with a tap, and the intelligent speaker-tracking technology and 360-degree camera will take it from there. With seven modes—Discussion, Beamforming, Panoramic, Quad View, Portrait, Compose, and Split—meeting participants can be framed in whatever manner best suits the preferences of the group.

For more precise performance, the iCam 360 also offers Professional mode. By activating Professional Mode, users can adjust a wide variety of settings, from camera angles to custom display layouts as well as auto-framing settings. Even with its compact form factor, the iCam 360 offers boundless capabilities in terms of providing the exact meeting experience preferred. Compose mode combines a panoramic view of the entire room while viewing six key participants close up. Manual mode zooms into a specific area of the room. Body fit mode focuses on all meeting participants while Grid mode shows four key meeting participants, each in their own quadrant. Additionally, Presentation mode focuses on the whiteboard and the active presenter simultaneously while Speaker mode displays the entire meeting room while focusing on all meeting participants.

Features:

- Integrated 4-lense configuration for a full panoramic view
- Image Sensor: 1/3.06" SONY sensor
- 13 Megapixel
- Max Resolution: 4K UltraHD, 3840x2160
- Focus: Auto Focus
- Field of View: 360°
- Digital Noise Reduction: 2D & 3D noise reduction
- White Balance: Auto
- Microphone: Integrated, pickup up to 32 feet total coverage
- I/O: USB Type-C
- All-in-One Design with integrated camera, speakers and mics
- Panoramic 360° Field of View, integrated 4 Lens Camera
- Six (6) Display Modes
- Integrated Microphone for Voice Pickup up to 16 Feet (from device)
- Compatible with all major video conferencing platforms

Specs

Name	INFOBIT 360° Panoramic All-in-One Conference Camera
Model	iCam 360
Image Sensor	1/2.7" CMOS Sensor
Max Frate Rate	2592H x 1944V @30fps 10 bits
Field of View	140° (D), 140° (H), 103° (V)
Hareware Out	4992x928/30fps (Panorama Only)
	1920x1080@30fps, 1280x720@30fps, 640x360@fps (Panorama, Top Down,Panning)
	DOA: Direction of Arrival
Video Format	MJPEG/YUV2
Field of View	Horizontal: 360° / Vertical 60°
	FOV Top: Vertical + 45° up / - 15° down
	FOV Middle: Vertical ± 30°
	FOV-Down: Vertical + 20° up / -40° down
IQ Effect	Lighting: 0 - 100; 3D NR: 0 - 100;
	Gamma: 0 - 100; Flicker: Auto , 50Hz / 60Hz;
	Reset: Reset to Factory Setting;
Features	Adaptive ROI; People Tracking; Beamforming Tracking
Lens Construction	5 Layer of Glass + IIRCF Elements
Effective Pixels	5.0 Megapixels
Focal Length	f=2.49mm
Aperture	F2.5
Stitching Technology	Dynamic Real + Time Stitching Technology
Resolution	Input: 4992x928 / 30fps
	Output:1920x1080 / 30fps
Modes	Panorama / Discussion / Beamforming / Speaker / Top-Down
Tools	Lighting : 0 - 100;
	3D NR: 0 - 100;
	Gamma: 0 - 100;
	EV Adjust: -2 ~ +2;
	Flicker: Auto , 50Hz / 60Hz;
	Reset: Reset to Factory Setting
Advantages	High resolution, low distortion;
	Flexible screen layout with hardware dynamic ROI crop; AI & Beam Forming integration;
Button	Mute Button (Touch SW);

	Mode Select Button, (Switch H/W Image Output Mode and DOA Function)
Microphone Parameters	
Microphone Array	Built-in 4 Digital Microphones / Unidirectional Microphones
Far-Field Voice Capture	Support
Beamforming	Yes
Speaker	Full-Range Speaker x 1
Sound Pressure	70db (@1m at : pink noise 0dB)
Pickup Range	5M
Acoustic Echo Cancellation	Yes
Response Frequency	200 Hz to 8k Hz
Rating Power	3W (mono)
Sound Playback Frequency Range	200 Hz to 10k Hz
General Parameters	
LED Display	Circularity 12*2 Blue LED Indicators / Touch Button Display RGB colors
Maximum Power Consumption	< 8W
UVC / UAC Version	1.1 / 1.0
Compatible Software	Can be used in video conferencing software that supports UVC Cameras Zoom, Cisco Webex, Google Meet, Skype, Microsoft Teams and more.
Physical Interfaces:	DC In: DC Jack Φ 2.5mm
Power Supply	12V/1A
USB	TYPE-C (USB 2.0)
Operating Environment:	Temperature: 0 to 40 °C / Humidity: 10 to 90%
System Requirements:	Windows: OS: Windows: 7, 10 64bit
	Recommended to use Intel 7th generation i5 or above (or equivalent), RAM 4GB or above;
	MAC: OS: 10.15
	Recommended to use Mac mini i3 (2018) or above (or equivalent), RAM 8GB or above
Weight	447g (net weight)
Size	67.5mm x 67.5mm x 182.3mm