



RGB310 Mini Video PTZ Camera for online conference with 3x Optical Zoom

The RGB310 1080P HD Mini Video PTZ camera has a 120° vertical tilt angle, 340° horizontal pan angle, and 3x optical zoom. It is compact like a webcam but offers more professional and flexible control.

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RGB310 MINI SIZE HD PTZ CAMERA

Designed for small meeting scenarios, RGB310 features a 1/2.9-inch high-quality CMOS sensor that delivers 1080P high-resolution photos. With its array of AI video algorithms, RGB310 ensures an exceptional video communication experience. This mini-sized camera uses a 1/2.9-inch CMOS sensor for sharp 1080p HD video at 30fps, supporting YUY2/MJPEG formats via UVC plug-and-play. AI algorithms enable humanoid tracking, auto-focus, and smooth pan (340° horizontal, $\pm 170^\circ$), tilt (120° vertical, -30° to $+90^\circ$), with 3x optical zoom (90° to 30.7° FOV). Dual microphones capture clear audio, and it includes 255 presets, image flip, and low-light performance ($\geq 55\text{dB}$ SNR).



Crystal Clear Video

High-quality sensors produce sharp 1080P video with brilliant color for video conferencing in any space. Perfect for huddle rooms, online classes, or hybrid meetings due to its webcam-like size but PTZ flexibility.

90° Wide-angle Lens

This device features a premium ultra-wide focal lens at a 90° angle, which offers a panoramic view. With 3x optical zoom, the lens transitions smoothly from 90° wide angle (no zoom) to 30.7° narrow FOV (full zoom), providing flexible coverage without distortion at the edges. This matches the compact design in the attached images, perfect for 1080p video calls where you need to see everyone without repositioning.

AI Humanoid Tracking

RGB logic RGB310 AI Auto Tracking feature provides full or half-body automatic motion tracking or center zone tracking without the need for a camera operator. It enhances your ability to present content in motion.

Equipped with a 1/2.9-inch CMOS sensor, it captures sharp 1080p@30fps video using AI-driven algorithms for humanoid tracking, auto-focus, and smooth pan-tilt-zoom (340° pan, 120° tilt, 3x optical zoom). Built-in dual mics ensure clear audio pickup, with plug-and-play UVC support for Zoom, Teams, and OBS. The RGB310 is a compact, mini-sized HD PTZ camera designed for small meeting rooms, huddle spaces, and video conferencing. It matches the attached blue and black PTZ camera images across multiple angles.



Full HD Image Sensor

2.07_M Effective Pixel | 1920*1080_{RESOLUTION} Maximum | 1/2.9_{Inch} CMOS



Full-featured USB Interface

Full-featured USB2.0 interface, supports audio, encoding output, UVC 1.1 and UVC 1.0 protocols.



Specifications

- Sensor:1/2.9", CMOS, Max Effective Pixel
- Scanning Mode:Progressive
- Lens :3x, f3.35mm ~ 10.05mm, F1.7 ~ F3.0
- Digital Zoom:16x
- Minimal Illumination:0.5Lux @ (F1.8, AGC ON)
- Shutter:1/30s ~ 1/10000s
- White Balance:Auto, Indoor, Outdoor, One Push, Manual,VAR
- Backlight Compensation :Support
- Digital Noise Reduction: 2D&3D Digital Noise Reduction
- S/N : ≥ 55 dB
- Horizontal Angle of View:90° ~ 30.7°
- Vertical Angle of View:52° ~ 18.4°
- Horizontal Rotation Range: $\pm 170^\circ$
- Vertical Rotation Range :-30° ~ +90°
- Pan Speed Range:2.7° ~ 35.7°/s
- Tilt Speed Range:2.7° ~ 31.5°/s
- H & V Flip:Support
- Image Freezing:Support
- Number of Preset:255
- Preset Accuracy:0.1°

