

Insta360 X5

Bigger Sensors, Delivering Unmatched Clarity and Stunning Low-Light Details.



Core Highlights

1. Sensor: 2*1/1.28" sensors

2. Chip: 5nm AI Chip*1 + Pre-ISP Chip *2

3. Optimized Modes for Industry Applications

Photo Mode: Tailor-made for Virtual Tours and Inspections

- **In-camera PureShot** algorithm for higher quality photos with enhanced performance.
- **In-camera HDR synthesis** for merging multiple exposures into vibrant, high-contrast images.
- **In-camera stitching** for easier workflow and seamless photos.
- **AEB (Auto Exposure Bracketing) DNG photos** are available for advanced editing flexibility.

Video Mode: Perfect for Site Walkthroughs

- Enhanced **motion blur reduction** with faster shutter speeds and **noise reduction** using the new PureShot algorithm.
- **HDR support for 5.7K timelapse mode.**
- **Faster adaptation of auto exposure settings** during sudden lighting changes in timelapse mode.
- Additional **ISP (Image Signal Processor)** noise reduction for standard video recording.

4. X5 Usability and Accessories

More Durable Lens

- **Lens material upgrade:** Upgraded materials and structure give the X5 lens scratch and drop resistance on par with the X4's premium-grade protective lens.
- **Interchangeable Lens:** Optional tools are available for easy lens replacement, with "One-Click Calibration" to adjust stitching afterward.
- **Lens Guards:** With SDK support for lens guard stitching, the X5, X4, and X3 cameras now support protective lens guards, including the advanced X4 Premium Lens Guards.



Accessories

- **Hard Hat Mount:** Designed for secure and convenient use in industrial environments, fully compatible with the X5.
- **Invisible Selfie Stick:** including invisible selfie sticks, all-purpose tripods, and extra-long selfie sticks, provide more inspection and shooting ways for industry use.

SDK & Developer Support Enhancements

1. Key SDK Optimizations in Progress

- **Desktop SDK GPU Support:** The new version of the desktop SDK will support GPU environments only, offering effects and functionality identical to Insta360 Studio.
- **Future Camera Compatibility:** The SDK will be forward-compatible with upcoming camera models, enabling basic functions without requiring SDK version updates.
- **Camera Activation via SDK:** Added support for activating cameras directly through the mobile SDKs.

2. Demo and Resources

- **Streamlined SDK Demo:** Simplified SDK demos for clearer demonstration and easier integration.
- **Comprehensive Documentation:** More detailed SDK documentation to enhance developer understanding and usability.
- **Developer Resource Hub:** A dedicated "For Developers" page on the official website, consolidates resources to provide better support for developers.