

Introduction of New Models of iRAYPLE A Pro Series USB 3.0 Area Scan Cameras

HANGZHOU, ZHEJIANG, CHINA, September 3, 2025 /EINPresswire.com/ -- In response to the increasing demand for compact imaging solutions across diverse industrial applications, [iRAYPLE](#) has introduced the new 29mm x 29mm x 30mm ultra-compact USB 3.0 area scan cameras.

The iRAYPLE A Pro Series cameras are designed for seamless integration into robotic arms, inspection stations, or confined device enclosures — delivering greater installation flexibility and deployment freedom.

With dimensions of just 29 × 29 × 30 mm, the lightweight cameras can be seamlessly integrated into robotic arms, inspection stations, or confined device enclosures — delivering greater installation flexibility and deployment freedom.

The cameras are engineered with enhanced circuit protection, effectively suppressing electromagnetic interference (EMI) and ensuring stable signal transmission. Each unit undergoes strict aging tests to guarantee 24/7 continuous performance with a failure rate well below industry averages.

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By leveraging low-power components and optimized circuitry, the A Pro Series reduces overall system energy consumption and mitigates the risk of overheating.



Ultra-Compact Design



Reliable Operation Around the Clock

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Equipped with powerful ISP capabilities, the A Pro Series provides real-time image optimization. Key functions include precise Auto Exposure (AE) and Auto White Balance (AWB), advanced 2D/3D noise reduction for enhanced low-light performance, sharpening and color interpolation, as well as color correction with CCM and a full color-tuning palette. The result is consistent color uniformity with minimal edge deviation.

About iRAYPLE

iRAYPLE, the flagship brand of Zhejiang HuaRay technology Co., Ltd, is a professional company focusing on R&D, manufacturing, and sales of machine vision and autonomous mobile robot (AMR) products and solutions. Concentrating on smart manufacturing, we have always insisted on satisfying customers'

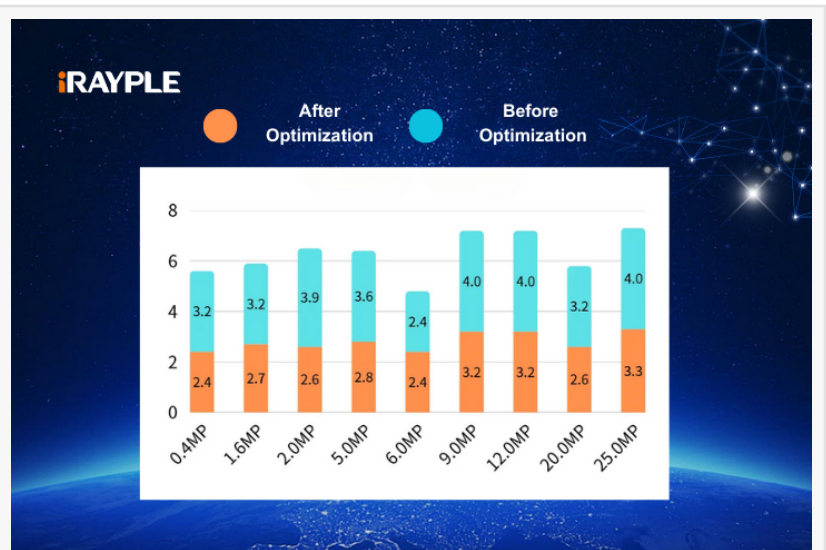
needs, creating value to help customers reduce costs, and making factories smarter. Founded in 2016, the business has expanded to cover more than 50 countries and regions.

Dan Luo

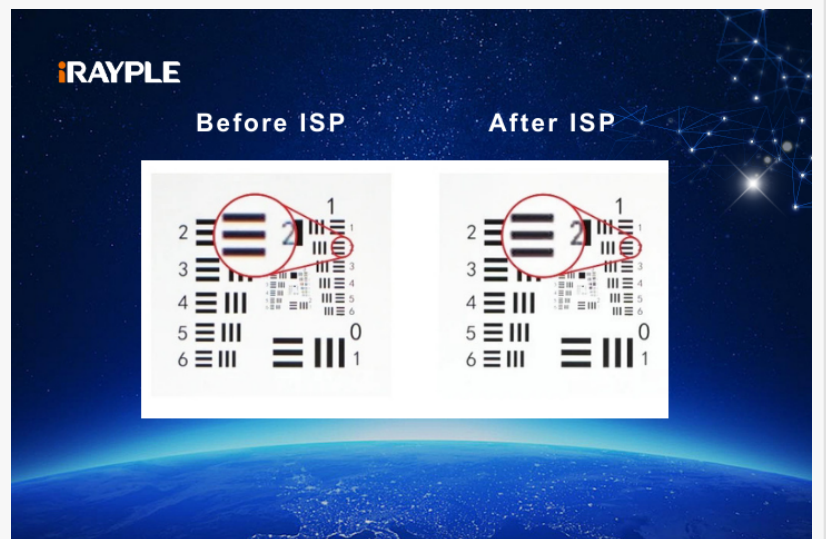
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Energy-Efficient USB3.0 Camera Solution



Professional-Grade ISP for Outstanding Image Quality

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