Longjing Intelligent Vision System

Proprietary Longjing Intelligent Vision System

Revolutionizing AI with Vision:

The Longjing Intelligent Vision System chip acts as the critical "eye" for AI robots, enabling them to see, understand, and interact with the world. A compact, highperformance semiconductor chip combining visual data acquisition, AI processing, and decision-making in one platform.

Core Features as the AI's Visionary Eye:

- AI-Optimized Vision: Independently processes image-based AI functions.
- Next-Level Precision: Converts real-world visuals into actionable digital intelligence.

- Proven Expertise: Successfully deployed by leading global brands like Samsung, LG, and HP.

Applications in Al Robotics and Beyond:

Empowering robots for industries such as:

- Healthcare Robots: Precision diagnostics and surgery assistance.
- Autonomous Systems: Cars, drones, and ships navigating intelligently.
- Industrial Robots: Automated manufacturing and quality control.
- Home Service Robots: Smart assistance in daily life.

Visionary Applications of the AI Eye:

Elevating AI robots to perceive and interact with the environment using advanced vision systems. Broad adoption across fields like:

- Smart Surveillance: AI-enabled security and monitoring.
- Agricultural Automation: Smart farming with real-time vision analytics.
- VR/AR Immersions: Interactive entertainment and training platforms.

Market Leadership in Vision Tech:

Growing demand for intelligent vision systems across robotics and AI industries. Capitalizing on the CMOS sensor market's projected growth to 11.64 billion units by 2025.

Technology Advantages for the Future:

- Wide Dynamic Range (WDR): Enhances detail in varied lighting conditions.
- Backside Illumination (BSI): Superior sensitivity and image quality.
- 3-in-1 Integrated Chips: Streamlined performance for high-speed AI decision-making.

- AI-Enabled Distance Sensing (TOF): Essential for robot navigation and object recognition.