

Elscope Vision Empowers AutoCheck 360: Setting New Standards in Automated Vehicle Inspection

الفحص الآلي 360

أكثر أماناً. أذكى. أسرع



AutoCheck 360
Safer. Smarter. Faster

Shanghai, China Oct 8, 2026 ([Issuewire.com](https://www.issuewire.com)) - The launch of [AutoCheck 360](#) marks a defining moment in Dubai's journey toward digital transformation and intelligent mobility. (<https://mediaoffice.ae/en/news/2025/october/12-10/rta>) This ambitious initiative represents a new benchmark in how cities leverage AI and automation to ensure safer, faster, and more transparent [Vehicle Inspections](#). [Elscope Vision](#) is proud to be a part of this landmark project. Our advanced scanning and imaging technologies help deliver next-generation [automated vehicle inspection](#) that combines speed, accuracy, and reliability. **AutoCheck 360: A New Era of Smart Mobility** The AutoCheck 360 system fully integrates AI, computer vision, and the Internet of Things (IoT) to modernize vehicle inspection services. Through intelligent automation, the system reduces the average inspection time from 17 minutes to just 7 minutes, setting a new standard for efficiency across the region. By minimizing human error and standardizing inspection criteria, AutoCheck 360 enhances road safety, improves the customer experience, and boosts operational productivity. It is one of the first fully integrated automated vehicle inspection solutions of its kind in the Middle East — a testament to Dubai's leadership in embracing smart technologies for public service innovation. **Elscope Vision** A Technology Leader in AI-Powered Vehicle Inspection At the heart of this technological leap lies Elscope Vision's advanced imaging and AI-based analytics platform. Our solutions are designed to meet the growing demand for automated vehicle inspection in a rapidly evolving automotive landscape.

The Elscope Vision AI Inspection System utilizes scan imaging technology, 4K ultra-precision optics, and deep-learning algorithms to capture and analyze every detail of a vehicle — from the body surface and undercarriage to the tires and wheels. This combination ensures precise detection of defects, wear, and damage in real time.

In the AutoCheck 360 project, Elscope Vision's system seamlessly integrates with user's digital infrastructure, enabling automated image acquisition, defect detection, and report generation — all without manual intervention. The system's scalability and reliability make it a perfect fit for large-scale and fleet inspection operations. **Core Advantages of Elscope Vision Technology** 1. Comprehensive Vehicle Coverage

Elscope Vision's systems deliver full-vehicle coverage, including undercarriage scanning, tire tread analysis, and body damage inspection. With high-resolution cameras and precise illumination, every detail is captured for consistent, objective results — a key foundation for automated vehicle inspection.

2. AI-Powered Defect Recognition

Our deep-learning models are continuously trained to identify multiple defect types, from surface scratches and dents to underbody irregularities and tire wear patterns. These algorithms empower AutoCheck 360 to achieve unmatched accuracy and repeatability, minimizing dependence on human judgment.

3. Cloud and API Integration

Elscope Vision provides a flexible data architecture that supports both on-premises and cloud-based deployment. The system's open API enables smooth integration with third-party platforms, making AutoCheck 360 a truly interconnected automated vehicle inspection ecosystem.

4. Scalability and Customization

Every Elscope Vision solution is modular and adaptable. From compact, mobile configurations to fixed inspection stations, our systems can be tailored to different operational environments — whether for inspection centers, fleet operators, or automotive service networks.

5. Cost Efficiency and Reliability

As a technology-driven company from China, Elscope Vision offers exceptional value by combining high performance with cost-effective scalability. This balance enables more organizations to adopt automated vehicle inspection without the financial barriers often associated with legacy systems. **Technology Highlights Behind AutoCheck 360** • **High-Resolution Imaging:** Utilizing industrial-grade 4K cameras and advanced optics, the system ensures every frame meets inspection-grade accuracy.

- **Real-Time AI Analysis:** The embedded AI engine processes visual data in milliseconds, classifying and labeling anomalies automatically.
- **Cloud-Based Traceability:** Inspection results are uploaded to a secure cloud database, ensuring full traceability and data transparency.
- **Automatic Report Generation:** Detailed inspection reports, including annotated images and defect categories, are automatically created for end-users.

These features together make AutoCheck 360 one of the most advanced examples of automated vehicle inspection in the world today — and Elscope Vision's technology is proud to be part of the system's success. **Why Elscope Vision is Trusted Worldwide** While AutoCheck 360 highlights one of our most prominent collaborations, Elscope Vision's technology is already deployed across multiple countries and sectors. From Europe and Asia to the Middle East, our systems are used in vehicle inspection centers, logistics fleets, and automotive aftermarket service providers.

Our strength lies in combining precision hardware, intelligent software, and seamless connectivity into one integrated solution. Whether it's enabling automatic car body and undercarriage scanning for a inspection center or providing cloud-connected tire diagnostics for fleet maintenance, Elscope Vision brings the future of automated vehicle inspection closer to reality. **Shared Vision: Smarter, Safer, and Faster** The collaboration between Elscope Vision and AutoCheck 360 embodies a shared commitment to progress. It demonstrates how advanced AI-driven inspection can streamline operations, reduce human dependency, and ultimately make roads safer for everyone.

By leveraging computer vision, AI modeling, and IoT integration, the project has not only optimized efficiency but also redefined public trust in digital governance. It shows how automated vehicle inspection can evolve from a manual, time-consuming process into a seamless, data-driven service that benefits both regulators and citizens. **Looking Ahead** As the automotive industry moves toward electrification and automation, the need for reliable, intelligent inspection solutions will continue to grow. Elscope Vision remains committed to advancing the science of automated vehicle inspection, improving detection accuracy, and enabling smarter decision-making powered by AI.

To learn more about Elscope Vision's AI-driven inspection technologies and our global projects, please visit www.elscopevision.com.



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Source : New Tech Automotive Technology(Shanghai)Co., Ltd.

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