

European carmakers validate iCatch, Jet Opto 4K imaging tech

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iCatch and Jet Opto unveil 4K automotive AI solution in Tokyo (TVBS News)

TAIPEI (TVBS News) — Two Taiwan tech firms have crossed a critical threshold into Europe's closely guarded automotive supply chain, announcing Wednesday (Jan. 21) a

4K imaging system validated by premium European automakers at [Tokyo's Automotive World 2026](#). The validation marks a significant breakthrough for iCatch Technology (芯鼎科技) and Jet Opto (凱銳光電), where Asian suppliers outside Japan have historically faced high barriers to entry.

The companies declined to disclose which manufacturers approved the technology, the contract value, or projected unit volumes; still, iCatch's CR3 automotive AI imaging system-on-chip promises advanced solutions to European car manufacturers in the age of artificial intelligence. The system reportedly features the company's eighth-generation ThetaEye AI image signal processing engine.

The solution is scheduled to enter mass production by the end of Q1 2026, the companies said. Jet Opto, acting as a Tier-1 supplier, secured the European validation after what the companies described as extensive testing. Automotive imaging manufacturers in Japan, South Korea and Europe have already adopted the CR3 platform.

The system addresses European road conditions and diverse lighting environments, according to the companies. It features high dynamic range capability and LED flicker mitigation technology to suppress interference from streetlights and traffic signals. The system maintains clear, stable image quality in nighttime or high-speed driving

conditions, meeting stringent European OEM safety standards for in-vehicle recording systems.

Multiple mass-production projects are currently underway across these three key automotive markets, the companies said. The platform supports 4K HDR video processing, H.264/H.265 encoding, and real-time data transmission for ADAS integration. Jet Opto provides end-to-end manufacturing capability, from software development and optical module design to in-house production.

Weber Hsu (許英偉), president of [iCatch Technology](#), called Jet Opto "one of our most important long-term partners in the automotive AI imaging field," adding that the collaboration advances iCatch's international expansion. Jerry Lin (林傳凱), chairman and president of [Jet Opto](#), said the partnership helps European automakers "deploy higher-quality and more reliable imaging applications in premium vehicle platforms."

The unnamed European automakers remain a conspicuous gap in the announcement. Whether the secrecy reflects standard automotive industry practice or competitive sensitivity, the validation itself signals a shift: Taiwan firms are no longer just making components for the world's cars — they're increasingly designing the systems that make those cars see. ■

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[#Jet Opto](#)

[#4K automotive imaging](#)

[#Taiwan semiconductor](#)

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[#CR3 chip](#)

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