

# How Jet Opto **Bolstered** their Product Security Management and Compliance, Reducing TTM and Cost, with Cybellum



## Background

From the early days of Jet Opto, their team set out to make the most reliable in-vehicle entertainment systems. As the company grew from 20 people to 580 today, the regulations in the automotive industry became more stringent.

Jet Opto is a Tier-1 and a Tier-2 supplier in the U.S., Europe, and Japan, so they must comply with varying local regulations. Jet Opto develops rear seat entertainment solutions and dashcams, working with almost all of the major car manufacturers in the U.S., Europe, and Japan. In Europe, they are helping companies create a new generation of in-vehicle 5G OTT (Over The Top) video streaming entertainment systems. In Japan, Jet Opto provides dashcam technology to a major company with advanced BSM (Blind Spot Monitoring) functions.

Through a partnership with FIC, Jet Opto explored Cybellum's Product Security Platform to strengthen its product security while complying with ISO/SAE 21434.

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***In addition to the basic requirement of safeguarding drivers, our need for bolstered product security is twofold. First, to supply customers with ISO/SAE 21434 compliance documentation. Second, to achieve greater product security throughout development. It was clear that we required a holistic product security platform.***

*Daniel Tsai, President at Jet Opto*

## High-quality products demand high-quality security

As part of a goal to become a cybersecurity leader, Jet Opto sought a solution that would protect their products with the same high standards as the products they develop. Being an important global player had exposed them to the increasingly treacherous landscape of automotive cybersecurity. At the same time, the need to comply with ISO/SAE21434 was critical as well.

To enhance their product security, not only for compliance but also for securing devices, Jet Opto needed access to each component's underlying software. This would help them understand the status of each piece of the embedded OSS (Open Source Software), run vulnerabilities against a CVE (Common Vulnerabilities and Exposures) database, and mitigate weaknesses in line with CWE (Common Weakness Enumeration) scoring.

However, Jet Opto wanted to do more. Their team needed OSS license management, CVE & vulnerability management, CWE detection, binary code analysis, continuous monitoring, and an easy-to-use management dashboard.

## From manual to automated security assessments

By centralizing their product security management in one platform, Jet Opto was able to visualize each product and its components across the full product lifecycle, allowing them to manage and mitigate risks. In addition, the platform allowed Jet Opto to create automated workflows, as well as prioritize vulnerabilities using the platform's VM CoPilot - a smart triage assistant for vulnerability management, which significantly reduced the time and cost of handling vulnerabilities.

Now, Jet Opto's team is able to maximize its resources, automate various product security tasks, and scale operations.

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***The Product Security Platform has significantly enhanced our ability to manage product security. With it, we can identify and address security issues more effectively, reducing the time and effort required for manual security assessments. Cybellum's expert technical support was top-notch, responding to our requests efficiently.***

*CJ Lee, Director of Engineering Center, at Jet Opto*

## Wasting no time in securing their products

The opportunity to automate activities was welcomed by the entire team, allowing for a smooth installation and onboarding. Within one week, Jet Opto's security team was able to rely on key features that Cybellum provided, which helped them make the transition from viewing each component individually to a company-wide bird's eye view of their product security standing.

### Main Differentiators of Cybellum's Product Security Platform, according to Jet Opto



#### Continuous Monitoring

Cybellum supports continuous monitoring of software security, ensuring ongoing protection and timely detection of potential threats.



#### Unlimited Capacity

Without a code image size limitation for each scan, organizations have more flexibility for larger projects.



#### CWE Support

Cybellum can identify unknown weaknesses in the software, enhancing vulnerability detection.



#### Deep System Security Analysis

The product security platform can perform in-depth system security analysis, which is beneficial in assessing the overall security posture.



#### Version Management

Version tracking and management allows users to keep track of the different versions of their software and their associated security measures.

## Jet Opto's achievements following the adoption of the platform

Since the implementation of Cybellum's Product Security Platform, Jet Opto's product security team has been able to efficiently identify and address product security issues while reducing manual efforts and the time needed to perform security assessments.

The immediate benefits realized by Jet Opto include:



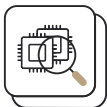
Being able to gain immediate access to product status for OSS, CVE, and CWE. The real-time visibility allows the team to swiftly identify potential vulnerabilities and security issues in their software components.



Effortlessly conducting customer reporting.



Continuously monitoring products with real-time security update.



Managing supply chain risks by better understanding their third-party code's security posture - getting the security status without needing to obtain the source code.

### *About Cybellum*

**Cybellum is where teams do product security.**

Top Automotive manufacturers such as Jaguar Land Rover, Nissan, Audi, and Faurecia use Cybellum's Product Security Platform and services to manage the main aspects of their cybersecurity operations across business units and lifecycle stages. From SBOM to Vulnerability Management, Compliance Validation, and Incident Response, teams ensure their connected products are fundamentally secure and compliant – and stay that way.