GVD Strengthens Its Leadership in AI VMS for the Semiconductor Industry

Widely Adopted by Leading Semiconductor Manufacturers in Taiwan and Korea

Hsinchu, Taiwan — December 1, 2025 — GVD today announced that its flagship Video Management System (VMS) platform has been widely deployed across major semiconductor fabrication and packaging facilities in Taiwan's Hsinchu region and South Korea. The deployments include global industry leaders such as **Samsung Semiconductor**, **SK Hynix**, and multiple top-ranking companies including the **World's #2 semiconductor manufacturer** and the **World's #1 semiconductor packaging company**.

Across these combined projects, the total number of installed and licensed **GVD VMS IP camera channels has surpassed 30,000**, marking one of the major VMS players in the semiconductor sector across Asia.

Advanced AI-Driven Security and Operational Analytics

The semiconductor industry demands extremely high levels of security, precision monitoring, and operational visibility.

To meet these requirements, GVD VMS integrates seamlessly with a wide range of **AI IP cameras**, supporting mission-critical video analytics such as:

- People counting, back-bag
- License plate recognition (LPR)
- Vehicle color and model recognition
- Clothing color detection
- Facial recognition, Facial Mask

These capabilities enhance both **facility security** and **production-line safety**, helping semiconductor companies maintain strict compliance within controlled manufacturing environments.

Integration with Solomon AI to Boost Automation Productivity

In line with the global semiconductor industry's move toward AI-centric automation, **GVD VMS is fully integrated with Solomon AI**, an advanced industrial machine vision and deep-learning platform widely used in smart manufacturing.

This integration enables:

- Automated production monitoring

- AI-assisted defect detection

- Enhanced production-line traceability

- Higher efficiency through real-time analytics

The combined solution significantly improves **yield management** and **overall equipment effectiveness (OEE)** for semiconductor fabs and packaging plants.

Strengthening GVD's Leadership in Semiconductor Facility Security

"Deployments of this scale across top semiconductor manufacturers underscore the reliability, scalability,

and AI-readiness of the GVD VMS platform," said Sinny Liao, Senior Product Manger of GVD.

"We are proud to support the world's most advanced semiconductor and packaging facilities

with intelligent video technology that enhances both security and operational efficiency."

About GVD

GVD is a leading developer of large-scale Video Management System platforms serving enterprise and industrial customers across the globe.

With extensive expertise in AI-enabled video analytics, cloud-native VMS architectures, and mission-critical system design, GVD provides high-performance security and operational intelligence solutions for manufacturing, data centers, government, critical infrastructure, and multi-site enterprises.