



GVD Unveils VMS 5.0: A Next-Generation VMS Platform

GVD Unveils VMS 5.0: A Next-Generation VMS Redefining Scalability, Performance, Ai Plug-in and IoT Integration

Taipei, Taiwan — GVD (Genius Vision Digital), a key provider in professional IP video surveillance solutions, is proud to announce the official launch of **GVD VMS 5.0**. This next-generation evolution of the acclaimed VMS 4.0 platform introduces a suite of high-performance features designed to meet the demands of large-scale enterprise environments, Smart Cities, and high-security government installations.

VMS 5.0 represents a significant leap forward in video management technology, focusing on extreme hardware efficiency, flexible web-based interfaces, and unprecedented scalability.

Key Innovations in VMS 5.0 Include:

- **Maximize Hardware Efficiency (Dual-Eng Enhancement):** Through the new Dual-Eng enhancement, VMS 5.0 doubles the capacity of a single server from 128 to **400 IP cameras**. This makes GVD's solution the most cost-effective NVR choice on the market, significantly reducing hardware footprint and power consumption.
- **Turbo NVR Performance:** By adding Turbo NVR to the GVD VMS NVR Suites, the platform delivers a **50% to 70% increase in NVR recording capability**, ensuring seamless handling of high-bitrate video streams without compromising data integrity.
- **Massive Scalability with Federal Architecture:** VMS 5.0 introduces Federal Architecture, allowing organizations to stack multiple C5104 Database Servers into a single Federal Domain. This centralized architecture can manage **over 100,000 IP cameras** within a single control center, ideal for national security and global enterprise operations.
- **Modern Web-Based Customization (E4200):** Users can now enjoy complete freedom with a new web-based **Free Video Layout** and **eMap Layout** on E4200. The easy-to-use editor allows customers to configure bespoke video patterns, eMap links, and embedded views to suit their specific operational needs.



- **Advanced Monitoring with iGlance II:** The updated iGlance II dashboard provides enhanced functionality for alarms and system status, offering operators real-time situational awareness and faster response times.
- **IoT & Smart City Integration:** Moving beyond traditional video, VMS 5.0 supports deep IoT integration. It bridges various sensors and outputs to provide a unified platform for SmartBuilding and SmartCity applications.
- **Enterprise-Grade Cybersecurity:** GVD continues its commitment to data protection. VMS 5.0 has passed and complied with rigorous security certifications, including OWASP Top 10, STCQ, CNS16120, and PC-cillin, ensuring the system is hardened against modern cyber threats.
- **Universal AI Camera Support:** VMS 5.0 now supports JSON format and ONVIF Profile-M integration, allowing virtually any AI-capable camera to plug directly into the GVD ecosystem. This open-standard approach ensures users are never locked into a single hardware provider.
- **AI Time-Sharing Modeling:** Besides supporting JSON format and ONVIF Profile-M integration, GVD maximizes ROI on expensive AI servers. VMS 5.0 introduces Time-Sharing modeling. This innovative feature allows AI Server resources to be distributed across multiple IP cameras on the VMS, significantly enlarging the scope of AI analytics without requiring additional server investment.

"VMS 5.0 is not just an update; it is a total transformation of how large-scale video data is managed," said CEO of GVD. "By doubling camera capacity per server and introducing our Federal Domain architecture, we are providing our clients with the power to scale to 100,000 cameras while maintaining the highest levels of cybersecurity and ease of use."

VMS 5.0 will be available on the market in May 2026.

About GVD (Genius Vision Digital): Founded in 2007, GVD is a frontrunner in the development of professional HD IP video management solutions. Based in Taipei, Taiwan, GVD focuses on high-end video solutions for various industries, including government, transportation, banking, and hospitality, providing reliable, scalable, and innovative security platforms worldwide.