

# Boost up Your Expertise in IP Surveillance for Enterprise and Government Customers GVD Online Seminars

## GVD Online Free Seminar

2025, Feb 6th, Taipei Time 14:00 ~ 17:10

2025 Feb 6th

Taipei Time 14:00 ~ 14:40

How to integrate Ai cams, Ai Servers or other 3rd systems with Open Protocols on VMS Platform?

- Enterprise IP surveillance systems diagram
- Open protocols for Ai and 3rd party systems integration
- Presentation layer for Ai video analytics: Search, Playback, Alarm
- Ai and 3rd party metadata and alarm statistic presentation on VMS
- Case study: SmartCity Integration, Multiple-Site Gasoline Station, Large Semi-conductor Factory

Scan to join



Taipei Time 15:30 ~ 16:10

Protecting Video Data + NVR SW on IP surveillance systems

- Enterprise and Gov IP Surveillance key systems and diagram
- Protecting Surveillance Systems: human interface, system access point, video data, OS Vulnerability
- Scheduled Maintenance Jobs of Enterprise Surveillance System: virus DB update, Vulnerability-Scan, OS patch and update
- Data encryption and communication security
- Case study: Large Banking Systems Security and Maintenance Job

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Taipei Time 16:30 ~ 17:10

How to design redundant Video Storage for Enterprise customers or Multiple-locations business?

- Large IP surveillance key systems and diagram
- Enterprise Redundant Storage Design and Function: Video Dataflow, Video Hot Data, Video Cold Data
- HDD Storage systems Scheduled Maintenance for better reliability and availability
- Case study: Large Banking Video Storage with Multiple-Site Branches

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# New Architecture

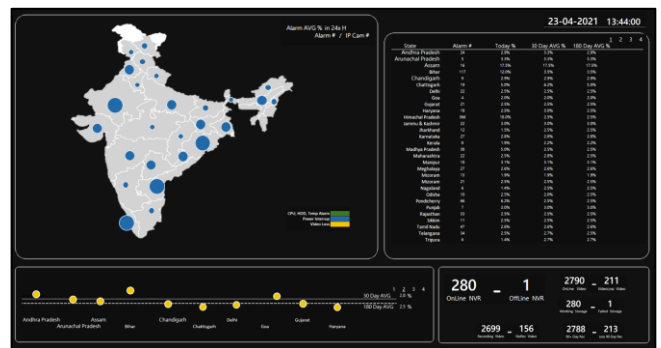
## VMS-driven solution for hybrid storage with AI applications

By a new architecture allowed by GVD new products, GVD **VMS 4.0** is highly flexible to expand, whether with more cameras (up to 100,000) or more applications from the 3rd parties.

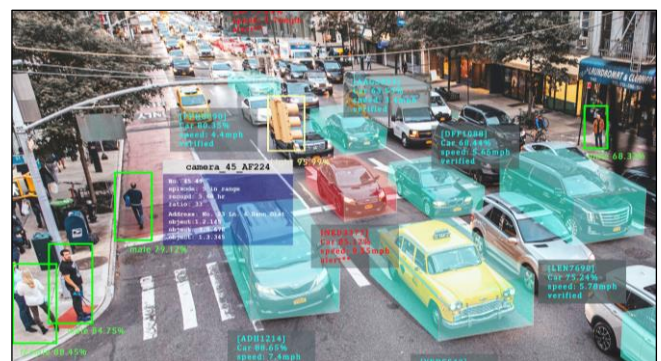
The new architecture allows mixed storage in the existing NVRs, IP-SAN, camera SD cards, and private/public clouds, especially for a large-scale project, such as enterprise or government,

Another highlight of the new architecture is the support for diverse networking media, including the traditional Ethernet, optical fiber, or 4G/5G, to allow a new network for HD IP cameras.

The new architecture also lets you deploy AI applications gradually in the VMS, per budget or schedule. It doesn't matter where you deploy the AI, whether with edge devices or with the share-based servers. The flexibility of the new architecture will support a large number of HD IP cameras.

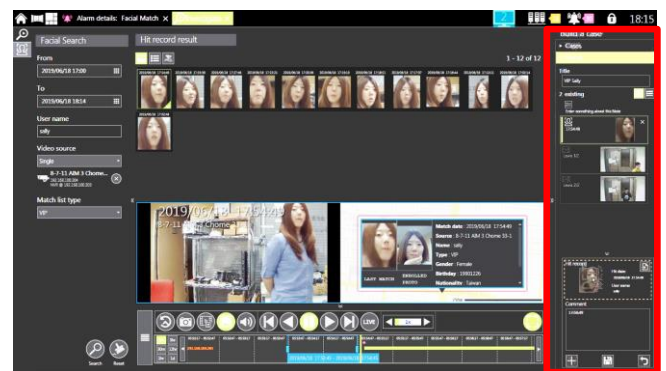


iGance Dashboard: State statistics & average statistics



GVD Ai Vehicle Classification

VMS 4.0 Suites Software Package	VMS Pro Package	VMS Max Package
Pro-NVR Software	▲	▲
VMS Database Server Software	▲	▲
VMS Manager	20 per Database	100 per Database
VMS Conductor	20 per Database	100 per Database
VMS VideoWall	▲	▲
POS, IO Support	▲	▲
Failover Server Software	optional	▲
Archive Server Software	▲	optional
iGance Dashboard	▲	▲
Ai AppPack Support	▲	▲
Device Keeper	▲	▲
VMS Apps: Chrome, iOS, Android	▲	▲
Federal Domain Support	▲	▲
Cloud VM Support	▲	optional



GVD CaseBuilder

# GVD VMS 4.0 Product Lineup

## D4200 VMS Videowall



"Synchronous Videowall Control" from platform center to decoders. Each decoder supports max. 4 monitors and each monitor supports 64 synchronous live videos, and Intuitive GUI.

## E4200 / E2200 VMS Workstation



Cloud-based with AI, with iGlance Dashboard to quantify system data with graphics. Powerful features include: eMaps, CaseBuilder, Device Manager, and Synchronous Videowall Control.

## H8000 Cloud NVR Server



Container-based cloud NVR for max. 1280 HD channels per server.

## X8000 / SH800 Cloud Archive Server



X8000 brings high-end and high-availability backup to max. 1280 HD channels per server. SH800 comes with iSCSI or fiber ports for massive data throughput, with expansion up to 512 HDDs per



## A5208 / N1100 AI AppPack Server AI Edge Node

Features dual CPUs and four GPUs for high AI performance and exclusive "Virtual Channels" to bust the high-price of AI., with AI modeling for LPR, vehicle classification, human behavior, and face recognition.

## C5104 VMS Database Server



Supports 100,000 cameras, with high-scalability, high-availability, and cluster & redundant design for zero down-time.

## C6101 Device Keeper



An automated maintenance system for software version overview, license dispatch, and automatic system upgrade for a large group of GVD servers. All tasks are centralized and simplified in Device Keeper to avoid human mistakes and improve efficiency and productivity.

## M6000/4000/3000 M2000/1000/X5000 NVR & Failover Server



GVD NVRs are high-performance NVRs with Modbus support for massive system integration. GVD Failover Server is good for uninterrupted and seamless video live-view and playback.



## Azure Google Cloud AWS Public / Private Cloud

www.gvdigital.com  
sales@gvdigital.com

## M1000 Mobile NVR



Supports 8 channels and 4G / WiFi, with fanless design, PoE LAN ports, and certified with railway standards EN50155, EN50121-3-2, & EN61373.



## ONVIF SD Card

GVD NVR auto-retrieves edge storage from networked cameras and saves them to the NVR's storage.



## GVD Apps iOS / Android

Supports 20 live-videos, 128 channels, and 50 NVRs, with push alarm notice, push alarm emails, and alarm list.

# Success Story



## Smart City Taichung

As Taiwan's 2nd largest city with a population of 2.8M, Taichung City has integrated GVD VMS with more than 20,000 cameras.

Taichung uses GVD VMS to improve city traffic, where IP cameras collect and pass video images to the cloud-based AI servers to classify vehicle types, such as sedans, motorbikes, buses, trucks, etc., and to identify objects, such as parkways. So vehicle speeds and traffic flow are estimated.



## Taipei Police Dept.

The Police Department of the capital city Taipei Taiwan has deployed more than 400 pieces of 4G-enabled cameras in GVD VMS platform and used 350 units of GVD Management Console E4200 to access the system, just to ensure zero dark corners in the city that never sleeps. GVD VMS supports ONVIF Profile G & S to combine edge storage and centralized cloud. Now this project is ready for 5G.



## Thai Bank

Thailand's largest state-owned bank with 1,000 branches nation-wide had chosen GVD VMS platform to protect their assets. The project built the storage in a private cloud and has integrated AI Facial Recognition in GVD VMS to reach the highest level of security.



## Semiconductor FABs in Japan & Korea

GVD products are used by some major players in the field of semiconductors. The VMS 4.0 Pro Suites are collaborating closely with the Automated Guided Vehicles (AGV) in the semiconductor fabs of SAMSUNG and SK Hynix in both Japan and Korea. More than 4000 WiFi IP cameras with SD cards are recording video to GVD VMS' Hybrid Storage to ensure 24x7 production is free from problems.

