GVD VMS 4.0 Suites

New Generation of Archive Server and Failover Server

Apr 15, 2024 - GVD is released its 2nd generation of VMS Archive Server and Failover Server.

These new products are to meet market new challenge on video data redundant storage for enterprise and government needs.

Not to mention that cloud-based solution will strong demand on hybrid storage solution in surveillance market.

GVD latest Failover Server provide two solutions

- Failover-NVR Solution Elasticsearch for system scalability, availability, data visualization
- Dedicated Standby Failover Solution

Failover-NVR solution provide unique design, which NVR and Failover are the same machine, meaning, any NVR failed, then other NVR will back up its IP cameras recording as Failover. By such design will help those customers with limited budget but require Failover solution.

Dedicate Standby Failover Solution is to have a standalone Failover Server hot-standby if any NVR failed, it would take over recording job automatically.

Such design is to guarantee the recording IP cameras numbers and their recording time.

GVD new released Failover Server comes with

- Instant Takeover of broken NVR with 45 seconds
- NxM Failover Model
- Channel based assignment
- Data rollback support

GVD new Archive Server is the task-based design for any network bandwidth or timeslot to avoid the network traffic.

GVD Archive Server has many brilliant features:

- Support N x 1 model backup
- Bandwidth based data traffic control
- Channel grouping task assignment
- Support Channel-based backup
- Flexible scheduling backup

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

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.

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.

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.

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.

Azure
Google Cloud
AWS
Public / Private Cloud

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.

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 choosen 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.