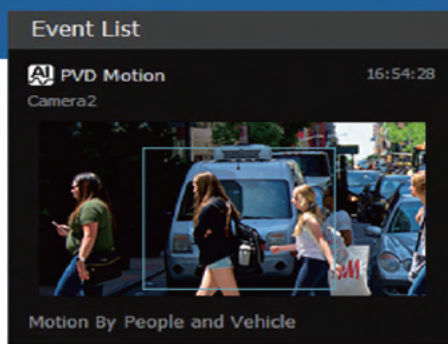




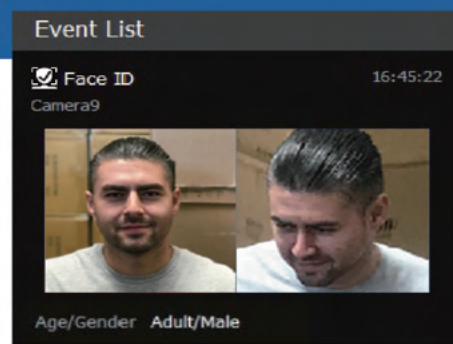
GV-VMS V20 Smarter Security Through AI and Cloud



3D E-map

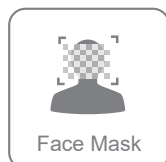
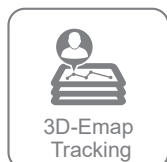


PVD Motion Event



Face Recognition Event

Experience a crucial step forward as AI transforms the landscape of cloud security, ensuring enhanced protection and peace of mind for your valuable data.



Key Features / Advanced functions include:

Detection and Analysis:

- Built-in people/vehicle attribute detection
- Built-in face recognition and search
- Fast searches for PVD and motion events
- POS transaction search
- AI event and object attribute queries

Integration and Device Compatibility:

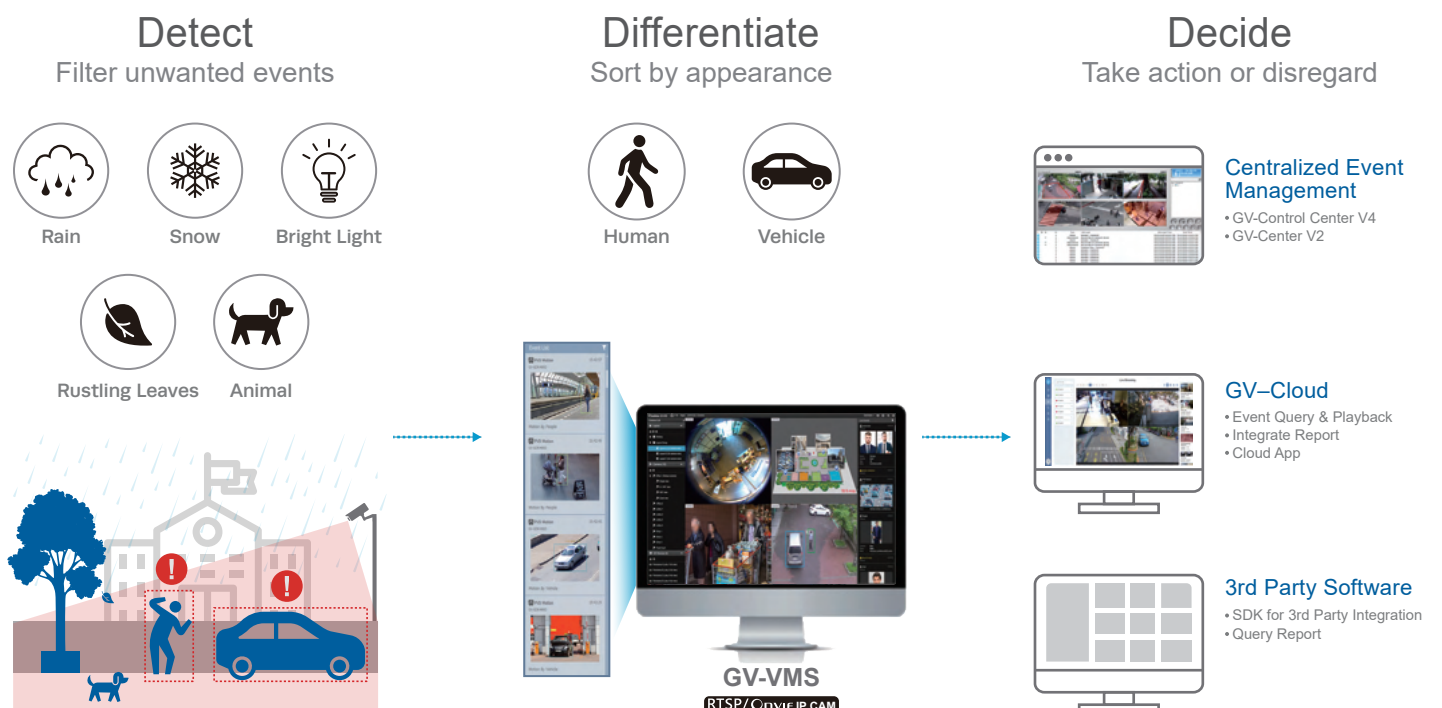
- Integrate with GV-Cloud service
- Integrate with GV-AI devices
- Support SIP/IP Speaker
- Support Decoder for unlimited display
- Up to 64 channels of PVD recording (with GV-AI Accelerator Module)

Channel Management and Recording:

- Support up to 256-ch (64 GV-IP free)
- Support schedule backup
- Live streaming app
- Unified Monitoring Interface
- Cooperative failover for live view & recording
- Face mosaic in live view and playback
- 3D E-map and storyline playback

Built-in People / Vehicle Detection

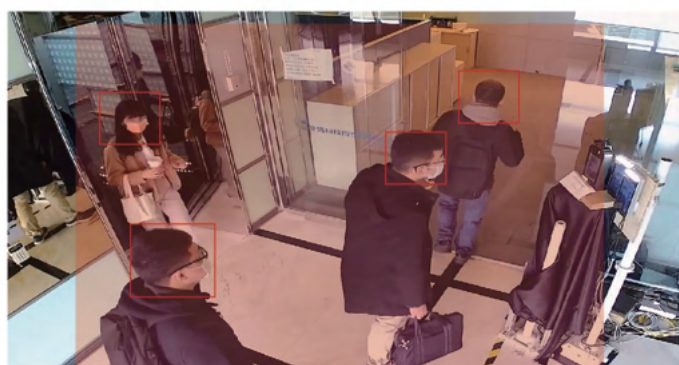
GV-VMS includes AI video analytics with PVD (People and Vehicle Detection), accurately identifying human and vehicle motion from other moving objects.



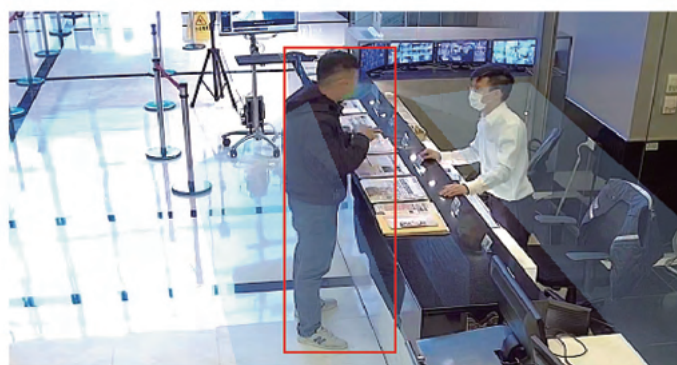
Integrate with GV-AI Devices

GV-VMS v20 integrates with AI-enabled GV devices, leveraging metadata such as people and vehicle attributes to enhance event detection and analysis.

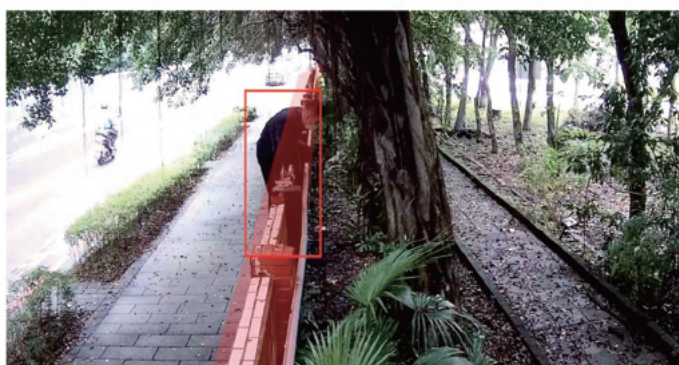
The system intelligently identifies events like intrusion, area entry/exit, line crossing, face detection, and crowd density, allowing users to trigger alarms and send instant alerts.



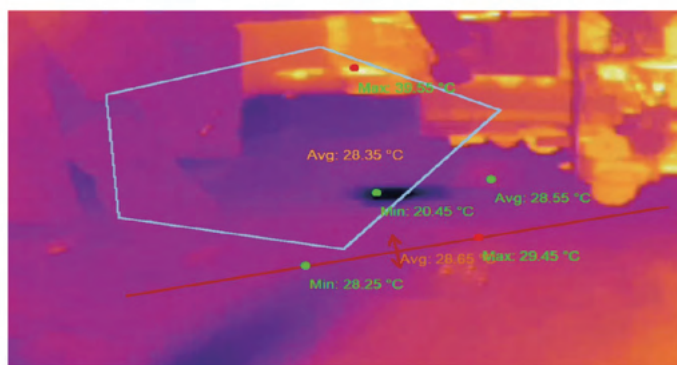
Crowd Detection



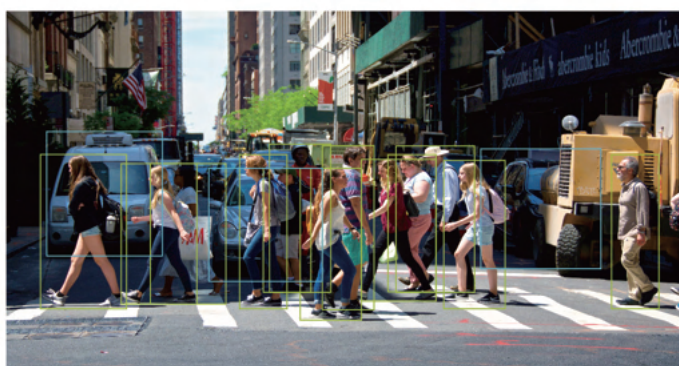
Region In/Out



Intruder Detection



Thermal View



Video Metadata from GV-AI Camera

Person		Vehicle	
Event List		Event List	
 PVID Motion Camera1 01/04/20		 PVID Motion Camera2 01/04/20	
Motion By People and Vehicle		Motion By People and Vehicle	
 PVID Motion Camera1 01/01/24	• Age • Gender • Upper • Lower • Accessories	 PVID Motion Camera2 01/01/24	• Type • Color • Brand

Real-time AI Event Attribute Table

GV-VMS v20 integrates facial recognition from GV-Face Recognition Cameras, GV-AI FR software, and local VMS analysis. The system identifies human faces in real time and can trigger automated actions such as email alerts or device outputs. With synchronized Face Databases across multiple cameras, recognized individuals can be tracked visually on the E-Map, where directional arrows display their movement paths.



Automatically compares faces captured on camera with your store's database to identify VIPs, staff, or flagged individuals. Each match shows name, group (like Authorized or Suspicious), age, and gender. Helps you greet loyal customers, track staff, or respond quickly to known threats-all in real time.



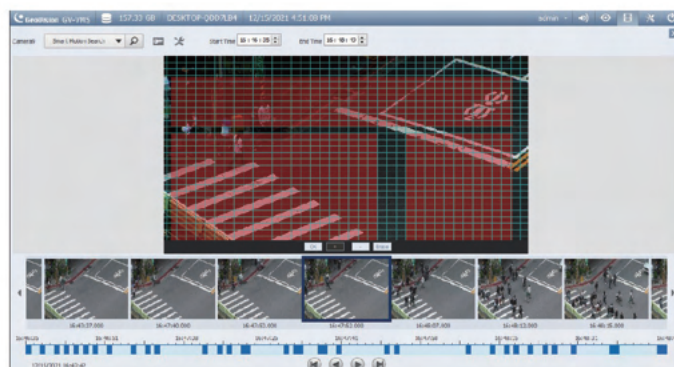
GV-VMS v20 lets users search recorded events by Face Matching, Face ID, Age Group and Gender. Upload a reference photo or filter by names, age and gender to quickly locate recognition events. Confidence levels are adjustable to keep results as broad or as precise as needed.

The solution also allows querying for AI events, facilitating event-specific searches. Overall, it offers advanced surveillance capabilities, timely notifications, and improved situational awareness.



Smart Motion/PVD Event Search

Smart Motion/PVD Event Search is a fast and efficient method for finding video events. It saves search time by focusing solely on regions enabled and configured for smart search, effectively filtering out areas that are not of interest.

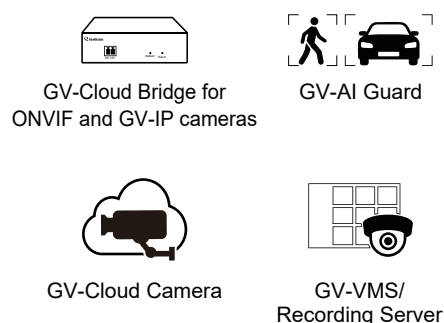


Smart Motion/PVD Event Search

Integrate with GV-Cloud Service

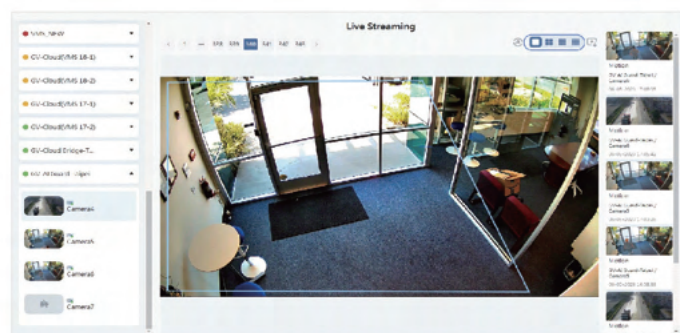
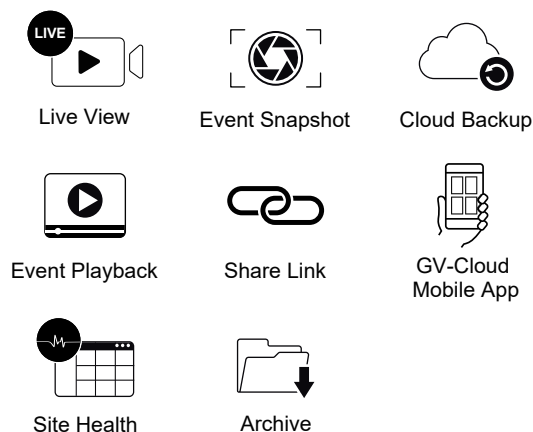
The VMS seamlessly integrates with GV-Cloud, enabling event uploads to the platform. These events encompass system health information, PVD motion events, and I/O events. Furthermore, AI-capable GV IP cameras can upload AI events, including snapshots and playbacks.

Local Device



GV-Cloud VMS
(cloud-based SW)

Cloud Features



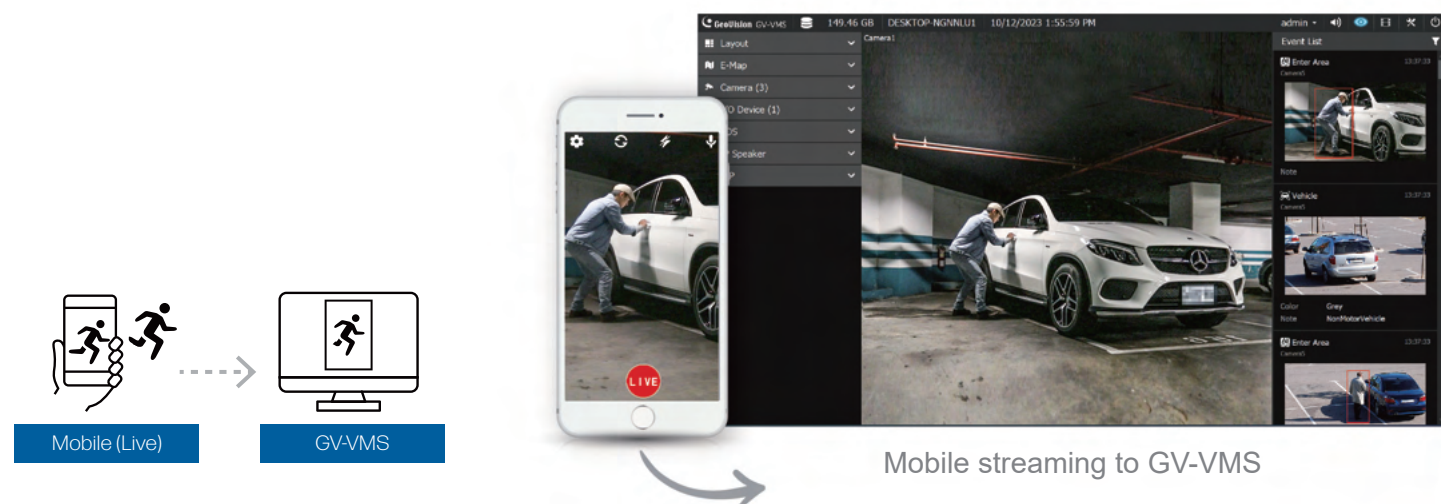
VMS Live View



VMS Playback

Live Streaming with Mobile App

GV-Live Streaming captures real-time video from your mobile phone and sends it to VMS. This helps report and archive threats and suspicious in corners where there is no surveillance camera coverage. The app allows fast transmission of the video under WI-FI or LTS networks for instant reporting with no delays.



Support Decoder Box for Additional Display

GV-VMS can connect to the GV-IP Decoder Box to assign desired camera channels for remote monitor display.

