



Making Security Easier.

Alarm Security Systems

**Diplomat™**

**Envoy™**

## GKB Video Alarm System

### **An Innovative Network-Based Video Surveillance Solution for the Prevention of False Alarms**

GKB Video Alarm System is an IP based solution combines Diplomat™ IP camera and Envoy™ IP Software which integrates surveillance, audio and alarm. GKB Video Alarm System helps security service provider (police and security companies) to have complete information of the alarm site, including voice alert, live video and audio to reduce the false alarm cost and ensure a proper action is taken in time when there is a true alarm.

**Over the past decades, cost wastage caused by false alarms has become a heavy burden to the police and security companies. Millions of dollars was wasted and it has even become a threat to the social security because the police resources was scattered by thousands of false alarms.**

According to the statistic provided by Los Angeles Police Department (LAPD), in 2008, there were nearly 57,000 false burglar alarms in Los Angeles, one of the world's biggest international cities. There were totally 59,482 burglar alarms a year, 163 a day in average, about 97% of those were false alarms. It caused great loss to the police and to the citizens as well because in many cases, the police force was busy in dealing with false alarms and unable to deal with those true ones. In order to save the resource of police force, LAPD billed those alarm companies for false alarms and generated \$11.5 million in fines, even though, the police still lost \$4.5 million in 2008. It was a totally lose-lose situation to the police, alarm companies and citizens who paid taxes for it.

## Applications:

The GKB Video Alarm System is an IP-based video surveillance solution which can easily integrates with existing alarm devices and analog surveillance cameras. When the alarm is triggered, a voice alert will be activated in the control center to indicate the exact alarm location, and the live video and audio of the site is also viewable. Locations that are well-suited to GKB Video Alarm system include:

- 24hr Chain Stores
- Jewelry Stores
- Banks
- Gas Stations
- Shopping Malls
- Liquor Stores
- Warehouses
- School
- Museums
- Residences
- Apartments
- Night Clubs

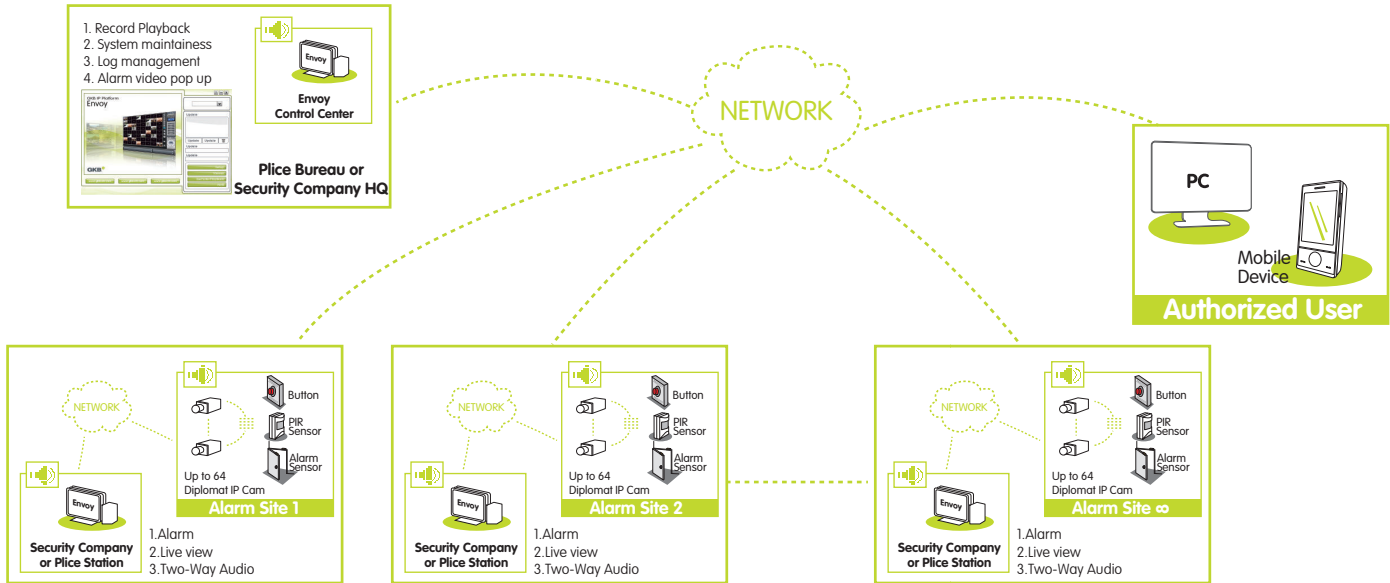
Taking Los Angeles as an example, we believe the same problem happens in many other big cities in the world.

Since there is no alarm technologies today guarantees zero false alarm, the only way to reduce the false alarm cost is to ensure the security service provider have complete live information of the alarm site before sending out vehicles and manpower.

Responding to this huge demand, GKB develop a solution to reduce false alarm cost and help the security service provider to take accurate and proper action in time when there is a true alarm.

## System Diagram

An Envoy™ NVR supports up to 64 Diplomat™ IP cameras. In the control center, an Envoy™ IP Structure can control thousands of Diplomat™ IP cameras depends on the network bandwidth.



## Solution Choices & Camera Options

A basic solution includes a Diplomat™ IP camera and an Envoy™ IP Software. For a customize solution to cover larger application, consultation regarding Envoy™ IP Structure is also available. GKB Video Alarm System configures with GKB Diplomat™ D3802 IP camera and GKB Diplomat™ D101 Video Server which can easily upgrade any existing analog camera to a Diplomat™ IP camera.

GKB D3802	GKB D101	Envoy™
Diplomat™ Self-Networking Box IP Camera	Diplomat™ Self-Networking 1-channel IP video server	Diplomat™ IP Software
		
<ul style="list-style-type: none"> <li>Indoor/Outdoor application (housing required)</li> <li>Basic surveillance needs</li> </ul>	<ul style="list-style-type: none"> <li>Converting existing analog camera into Diplomat™ IP camera and use together with Envoy™ software</li> </ul>	<ul style="list-style-type: none"> <li>GKB Envoy™ is a powerful video management software inclusive of four programs designed for the storage and management of video for up to 64 GKB Diplomat™ IP cameras</li> </ul>

## Advantages of GKB Video Alarm System

- **Easy integration of Surveillance, Alarm and Audio**

Simply link the alarm sensor to the Diplomat™ IP camera's DI port, the advanced self-networking and H.264 compression technology ensures the video, audio and alarm data can be transmitted at the same time without lagging the network performance.

- **Voice Alert to Indicate the Alarm Location**

Users are allowed to make different voice alert for different alarm site. When the alarm is triggered, the related voice alert will be activated to indicate the exact alarm location.

- **Compatible with Existing Alarm Sensors and Analog Surveillance Cameras**

GKB D101 video server allows to be connected to any existing alarm sensors and analog cameras. Users can easily upgrade its current separated surveillance and alarm system to an integrated GKB Video Alarm System.