

# GV-Access Control Solution

[www.geovision.com.tw](http://www.geovision.com.tw)

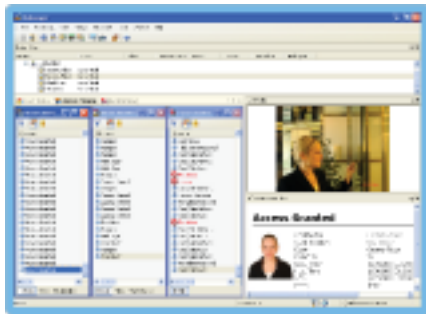


- Seamless Video Integration
- Proactive Monitoring
- Prevent Unauthorized Access
- Video Search Enhanced with Single Platform
- Comprehensive Management Software
- Suitable for All Types of Premises

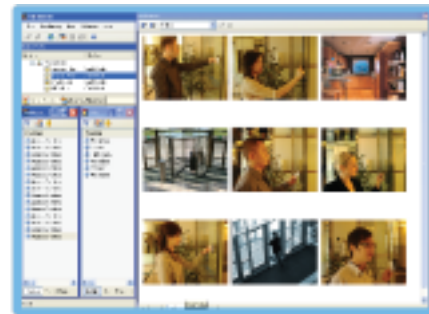
## System Highlight

GeoVision Access Control System is an easy-to-use, video-integrated and networked access control & monitoring solution suitable for home, small businesses and even multinational enterprises. The comprehensive management software package provides seamless integration with GeoVision DVR, NVR and IP products, which gives you easy access to both live and recorded video from any access events.

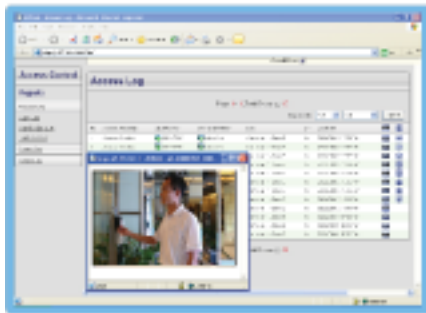
- ◆ Badge & live video comparison to ease card holder verification



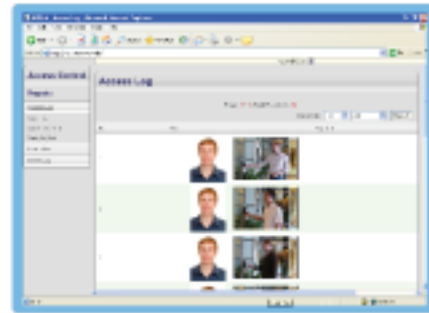
- ◆ Multi-door live video monitoring on important entry points



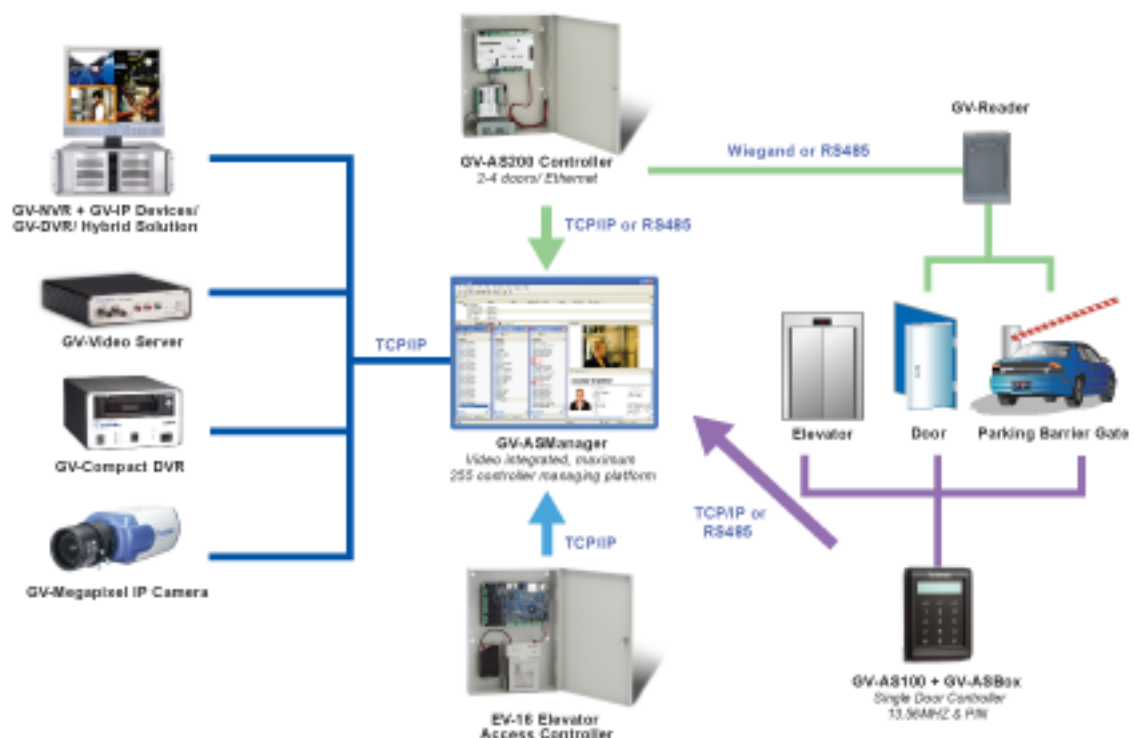
- ◆ Easy to use search interface with video & snapshot associated to each event



- ◆ Log overview to identify suspicious access



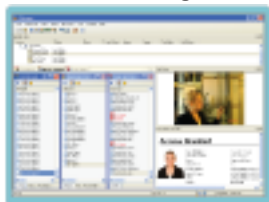
## Video Integration System Diagram



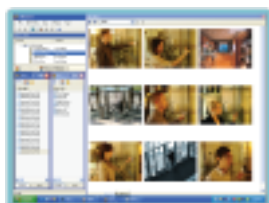
## GV-ASManager/GV-ASRemote/GV-ASWeb

### Key Features

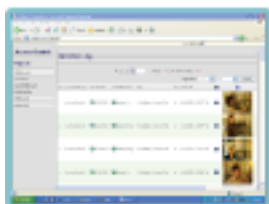
#### GV-ASManager



#### GV-ASRemote



#### GV-ASWeb



- ▶ Easy to use management software
- ▶ Manage up to 255 GV access controllers
- ▶ Seamless integration with GeoVision DVR/GV-NVR/GV-Compact DVR/GV-Video Server/GV-IP camera/3rd party IP camera
- ▶ Detailed log information with corresponding video and snapshot
- ▶ Real-time door status monitoring; multiple live video matrix support
- ▶ SMS or E-mail notification with user-defined content, video snapshot, and database photo
- ▶ Comprehensive user/card management system
- ▶ User-defined viewer layout and dual monitor support
- ▶ Report exporting feature (Excel/Text/HTML)
- ▶ Up to 256 configurable time zones and weekly schedules
- ▶ Holiday planning for up to 14 months
- ▶ Multiple cards per user
- ▶ Up to 10,000 manageable access groups
- ▶ 4-level authorization set-up
- ▶ Event-triggered recording
- ▶ Support SQL server MDB
- ▶ Remote status monitoring and door operation; live video and playback
- ▶ Web UI for event log searching with corresponding video and snapshot

## GV-AS200: 2~4 Door Controller

### Key Features

#### GV-AS200

Standard 2 door (Ethernet)



#### GV-AS200

Standard 4 door (Ethernet)



#### GV-AS200

Compact 2 door (Ethernet)



- ▶ Support up to 10,000 cards
- ▶ 4 inputs (Button/Door Contact/Fire Sensor/Tamper); 3 outputs (Lock/Alarm/Urgent Release)
- ▶ 4 predefined modes: Two-way Control/One-way Control/Mixed Control/One-way Traffic
- ▶ 4 authentication schedules: Card Mode/Release Mode/Card & PIN Code Mode/Card or Common Mode
- ▶ Network communication via RS485 or TCP/IP
- ▶ Support interzone function
- ▶ Support anti-passback
- ▶ Anti-duress password
- ▶ Two person A/B card rule
- ▶ Selectable sensor input states (NO/NC)

## GV-AS100: Single Door Controller

### Key Features

GV-AS100



- ▶ 1,000/10,000 cards (standalone/networked mode)
- ▶ Proximity operation at 13.56MHz for Smartcard based on ISO 14443 (Type A&B) and ISO 15693
- ▶ State-of-the-art CapSense touch-sensing keypad with LCD display and backlight LED
- ▶ Easy programming directly from keypad
- ▶ Anti-passback function (APB) support
- ▶ Built-in 3 digital inputs and 2 digital relay outputs, which can be configured to fit different needs
- ▶ Vandal and weather resistance based on IP66 conformity
- ▶ One Wiegand port (26~64 bits) for extra reader programming
- ▶ Support Fixed Card Mode/Fixed Released Mode/Fixed Card and PIN Code Mode/Fixed Card or Common Mode

## GV-ASBox: (I/O and Network Expansion for AS100 Controller)

### Key Features

GV-ASBox



- ▶ Add TCP/IP networking capability to AS100
- ▶ Access to AS100 additional features through Web interface
- ▶ Extend additional 8 digital inputs and 8 digital outputs
- ▶ Route digital I/O controls from AS100 to avoid tamper and enhance security level
- ▶ 4 special outputs for lighting switching on/off control (energy saving)
- ▶ Suitable for Door Entry/ Exit, Parking Entry/ Exit, and Elevator Control
- ▶ Extra one Wiegand reader port (26~64 bits) for flexible configuration

## GV-EV16: Elevator Floor Access Controller

### Key Features

GV-EV16



- ▶ Standalone elevator controller, controls 16 floors, expandable to 32 floors (master/slave mode via RS485)
- ▶ Support up to 10,000 cards
- ▶ Event buffers stored in SD card
- ▶ Restrict access on floor levels at specific time (defined in usage profile)
- ▶ Support 2 Wiegand readers (or RS485 GV-Reader)
- ▶ Network communication via TCP/IP

## Controller Specifications

Model			GV-AS200	GV-AS100	GV-ASBox <span>★</span>	GV-EV16
CPU			8 bit RISC Microprocessor			32 bit ARM7
Cards			10,000	1,000 (standalone) 10,000 (networked)	N/A	10,000
Event Buffer			65,536 events and log data			
Card Reader Type	Wiegand	Port No.	4	1	1	2
		Format	26~40 bits	26~64 bits		
		Power	DC 12V, 900mA			
	RS485		Yes (1x)	N/A	N/A	Yes (1x)
Communication Protocol	TCP/IP		Yes (optional)	N/A	Yes	Yes
	RS485 <span>★★</span>		Yes	Yes	N/A	N/A
Digital I/O	Input		4	3	8	3
	Output		3	2	8	16
	Lighting Control		N/A	N/A	Yes (4x)	N/A
Power Consumption (DC 12V)			4.8A	500mA	2.2A	2.2A
Software Included			ASManager/ASRemote/ASWeb			
Operating Temperature			0° to 65°C (32° to 149°F)			
Operating Humidity			10 to 90%, non-condensing			
Dimensions (L x W x T)			<b>Standard version:</b> 42.0 x 30.0 x 8.6 cm (16.4 x 11.7 x 3.4 inch) <b>Compact version:</b> 21.2 x 20.6 x 3.9cm (8.3 x 8.0 x 1.5 inch)	13.8 x 9.5 x 2.6 cm (5.4 x 3.7 x 1.0 inch)	23.5 x 17.7 x 4.8 cm (9.2 x 6.9 x 1.9 inch)	36.5 x 26.2 x 8.6 cm (14.2 x 10.2 x 3.4 inch)
Weight			<b>Standard version:</b> (Without Battery): 4.0kg (8.8lbs) <b>Compact version:</b> 1.0kg (2.2lbs)	0.26kg (0.6lbs)	0.9kg (2.0lbs)	2.5kg (5.5lbs) (Without Battery)
Certification			CE, FCC, RoHS			

\* GV-ASBox has to work with GV-AS100    \*\* Support GV-Reader only

## GV-Reader

### Key Features

- GV-Reader 1251: 125kHz Card Reader
- GV-Reader 1352: 13.56MHz Contactless Smart Card Reader, ISO14443A compatible
- Support Wiegand interface, 26 bit
- Support RS485 (9600bps) communication type
- Red/Green LED and Beeper with auto/user mode setup

### Specifications

CPU	8 bit microprocessor
Dimensions (L x W x T)	11.5 x 7.5 x 1.5 cm, with enclosure 3.5 (T) cm 4.5 x 2.9 x 0.6 inch, with enclosure 1.4 (T) inch
Weight	0.15kg (0.3lbs)
Power Supply	DC 7.5 ~12 V
Operating Temperature	-20° to 65°C (-4° to 149°F)
Operating Humidity	10 to 90%, non-condensing
LED	Red, Green LED
Certification	CE, FCC

GV-Reader



### Key Features

- GV-AS ID 125kHz Cards and Tags are fully compatible with GV-Reader 1251
- GV-AS ID 13.56MHz ISO14443A Cards and Tags are fully compatible with GV-Reader 1352

GV-ASCard



GV-ASTag



### Specifications

Format	GV-AS ID Card		GV-AS ID Tag	
Frequency	125kHz	13.56MHz ISO14443A	125kHz	13.56MHz ISO14443A
Dimensions (L x W x T)	85.6 x 54.0 x 0.8 mm (3.34 x 2.11 x 0.03 inch)		36.6 x 30.0 x 7.4 mm (1.43 x 1.17 x 0.29 inch)	
Read Range	2.5 to 7cm (1 to 2.7inch)			
Operating Temperature	-25° to 75°C (-13° to 167°F)			
Read/Write Capability	Read Only			
Lifespan	More than 100,000 read times			
Coding Format	Wiegand 26 bits			

## Optional Devices

GV-Battery is an uninterruptible power supply (UPS) device, designed to continuously supply GV-AS200 Controller power during power failure.

GV-Battery



### Specifications

Nominal Voltage	12 V
Nominal Capacity	5 Ah, 20° to 25°C (68° to 77°F)
Operating/Storage Temperature	0° to 50°C (32° to 122°F)
Dimensions (L x W x T)	8 x 11.6 x 14 cm (3.1 x 4.5 x 5.5 inch)
Weight	0.45kg (without battery), 2.3kg (with battery) 1.0 lbs (without battery), 5.1lbs (with battery)
Recommended Compatible Battery	Yuasa NPH5-12; CSB GP1245

GV-ASKeypad



GV-ASKeypad is for installers to set up AS200 and to display system information.



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**RoHS FC CE**

All specifications may change without prior notification.

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