GV-AS4110 IP Control Panel



Introduction

GV-AS4110 is a four-door controller with three types of interfaces, Wiegand, RS-485 and TCP/IP — to support various readers for entry and exit management. In addition to basic door control, its I/O pins support applications such as alarm, tamper detection, and fire sensor integration.

There are two models for the GV-AS4110 controller: **GV-AS4110 Local** and **GV-AS4110 Cloud**. The GV-AS4110 Cloud is designed for cloud-based access control. When connected to IP cameras directly, GV-AS4110 Cloud can transmit snapshots and live view to GV-Cloud Access Control upon access events. When IP cameras are connected via the GV-Cloud Bridge Series encoder, or when GV-Cloud Cameras are connected directly to GV-AS4110 Cloud, playback recordings can also be accessed on GV-Cloud Access Control upon access events.

Models

Model	GV-AS4110 Local	GV-AS4110 Cloud
Firmware Version	V1.xx / V2.xx / V4.xx	V3.xx
Cloud Net Module Installed	N/A	Yes
Software Supported	GV-ASManager	GV-Cloud Access Control

Key Features

- One-way or two-way control of 4 doors
- Three interface types: Wiegand, RS-485, and TCP/IP
- OSDP communication via RS-485 (supported on GV-AS4110 Cloud only)
- 16 digital inputs for door contact, exit button, fire contact, and tamper contact
- Relay outputs for lock, alarm, access granted and access denied
    - 24 outputs on GV-AS4110 Local
    - 16 outputs on GV-AS4110 Cloud
- Suitable for controlling doors, parking gates and elevator call button access
- GV-Cloud Access Control integration (supported on GV-AS4110 Cloud only)

Specifications

Software Supported	
GV-ASManager (for GV-AS4110 Local)	V4.2.3 or later
GV-Cloud Access Control (for GV-AS4110 Cloud)	V1.4.0 or later
Note: GV-AS4110 firmware versions **V1.xx, V2.xx, and V4.xx** are designed for **GV-ASManager** applications, while version **V3.xx** is intended solely for **GV-Cloud Access Control**. Firmware for GV-AS4110 Local and GV-AS4110 Cloud are not interchangeable and cannot be upgraded across platforms.	
Feature	
One-Way Control	4 doors
Two-Way Control	4 doors
Hardware	
Number of User Cards	100,000 cards (supported on controller firmware V1.xx, V2.xx, and V3.xx) 40,000 cards (supported on controller firmware V4.xx)
Event Buffer	1,000,000 events for GV-AS4110 Local 65535 events for GV-AS4110 Cloud
Power	AC 100~250V, 50~60 Hz
RS-485 Interface	1 RS-485 interface, distance up to 600 m / 1968.50 ft, 24 AWG cable ◦ Max. 8 RS-485 readers for GV-AS4110 Local ◦ Max. 8 RS-485 / OSDP readers for GV-AS4110 Cloud *For the RS-485 interface, connect only one of the following reader types to GV-AS4110 Cloud: GV RS-485 readers, OSDP-compliant readers, and GV-QR1352/DES1352 readers.
Wiegand Interface	8 Wiegand interfaces, 26 ~ 64-bit format, distance 100 m / 328.1 ft, 24 AWG cable 12V DC power supply, 200mA
TCP/IP Interface	1 TCP/IP interface for max. 8 GV network readers *GV-AS4110 Local supports simultaneous connection of RS-485 readers and network readers. *GV-AS4110 Cloud does not support network readers.
Battery	Replaceable button cell
Input	16 inputs, dry contact, NO/NC
Output	1 ~ 16 relay output / 30V DC, 3A 17 ~ 24 relay output / 30V DC, 1A ◦ Max. 24 for GV-AS4110 Local ◦ Max. 16 for GV-AS4110 Cloud
Operating Temperature	0 ~ 65 °C / 32 ~ 149 °F
Operating Humidity	10% ~ 90% RH (non-condensing)
Dimension (W x H x D)	210 x 187 x 40 mm / 8.27 x 7.36 x 1.57 in
Weight	900 g / 2 lb
Certification	CE, FCC, RoHS
Network	
Interface	10/100 Ethernet
Protocol	DHCP, DynDNS, HTTPS, Modbus TCP (supported on controller firmware V2.90 only), TCP
GV-Cloud Access Control integration	
Max. unit supported	One of the following: 1. IP Cameras: 4 2. GV-Cloud Bridge Series encoder: 2 3. GV-Cloud Cameras: 8

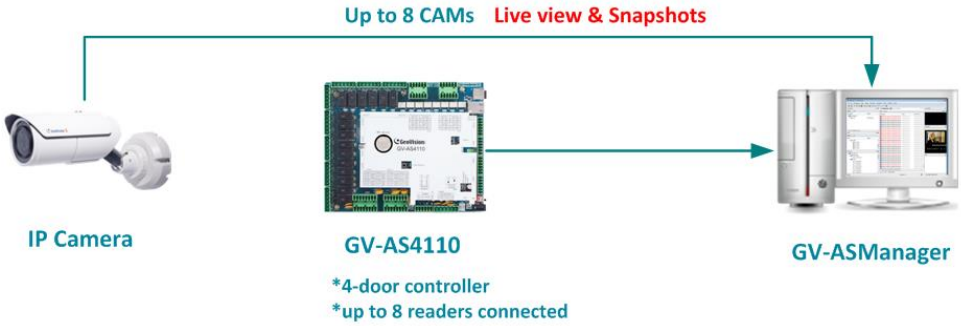
Note:

1. Only GeoVision readers are supported by RS-485 and network communications, while Wiegand and OSDP are compatible with third-party readers.

2. GV-AS Controllers do not support 3rd-party access control software.
3. Connect up to 8 IP cameras to GV-AS4110 via two GV-Cloud Bridge Series units, or up to 4 IP cameras directly to GV-AS4110. To integrate video with access control management, **GV-Cloud Bridge Series** is required.
4. Connect up to 8 GV-Cloud Cameras to GV-AS4110. **GV-Cloud Cameras** support direct connection to GV-AS4110 for video integration with access control management.
5. Specifications are subject to change without notice.

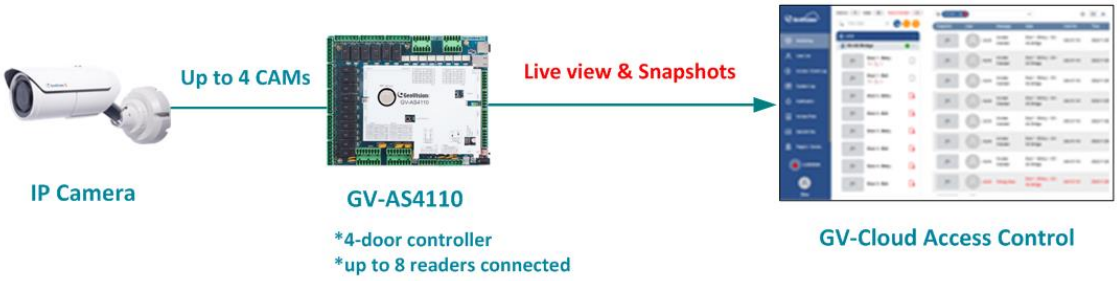
Applications

***GV-AS4110 Local* connects to the GV-ASManager access control software.**

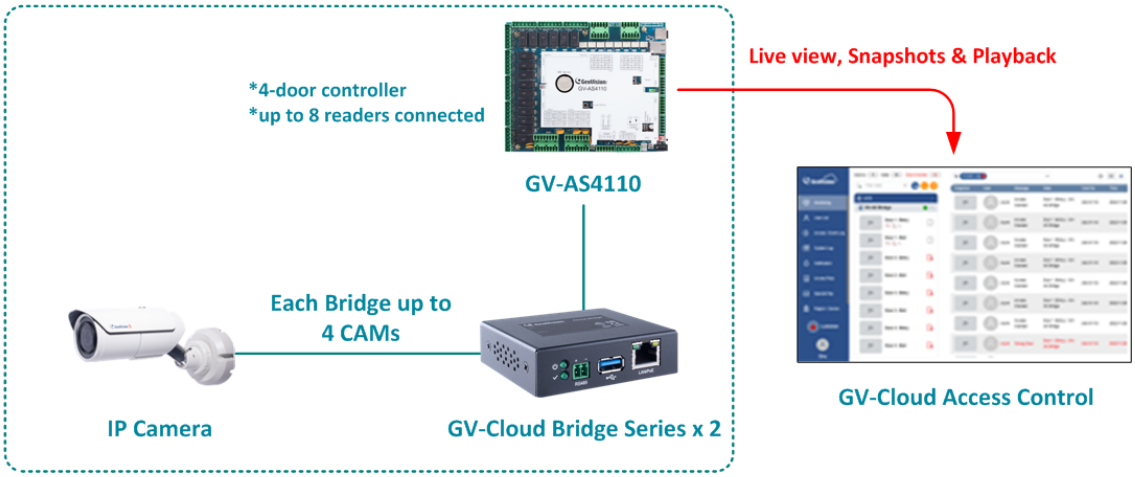


***GV-AS4110 Cloud* connects to GV-Cloud Access Control.**

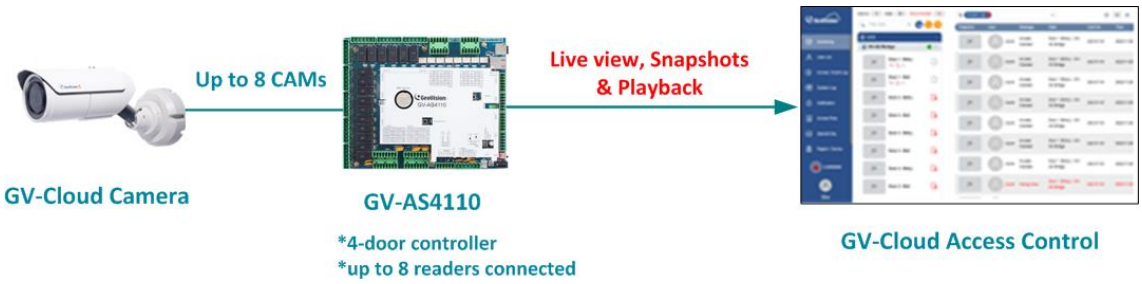
ONVIF and GV-IP cameras (live view and snapshots only)



GV-Cloud Bridge Series for ONVIF and GV-IP cameras



GV-Cloud Camera



IMPORTANT: Direct connection to GV-AS4110 for playback on GV-Cloud Access Control is supported only for the following GV-Cloud Camera models with firmware V1.09 or later: GV-GBL4900, GV-GBL4911, GV-GDR4900, GV-GEB4900, and GV-GVD4910.

Packing List

- GV-AS4110
- Power Adaptor 12V DC / 3.5A
- Power Cord
- Battery Cable
- Screw x 8
- Hex Nut x 8
- Hex Pillar x 8
- Micro SD Card 2 GB (Formatted and Inserted)
- Warranty Card

Options

Optional devices can expand the capabilities and versatility of your GV-AS Controllers. Consult your sales representative for more information.

GV-AS ID Card / Key Fob & GV-UHF Tag	125 kHz and 13.56 MHz cards / key fobs, 900 MHz UHF Tag are available.
GV-FWC	GV-FWC integrates GeoVision face-recognition-based cameras, software and readers into access control systems by sending access card data, paired to Face IDs, to controllers either through TCP/IP or Wiegand connection.
GV-IB25 / 65 / 85 Infrared Button	The GV-IB25 / 65 / 85 Infrared Button detects infrared movement within 3 to 12 cm and allows you to open the door with a wave of hand.
GV-WTR	GV-WTR is a converter designed for converting Wiegand interface to RS-485 interface, and vice versa. It enables 3rd party readers to be connected to RS-485 GV-Controllers, as well as allowing GV-AI FR (software) and GV-RS1320 (RS-485 camera reader) to be connected to 3rd-party Wiegand controllers.
Cabinet (GV-AS Iron Box)	With the cabinet (Dimension: 383.5 x 443.5 x 112.2 mm / 15.1 x 17.5 x 4.4 in), GV-AS Controllers can be mounted directly to a wall or recessed into the wall.
Electric Lock	Three types of electric locks are available: electromagnetic lock, electric bolt and electric strike.
Push Button Switch	The push button switch can be integrated with any standard access control systems, allowing door exit by activating or deactivating the electric locking device. Both American standard and European standard push buttons are available.