GV-FR Panel   Face Recognition Panel with Built-in NFC / QR Code Reader and IPS Touch Screen
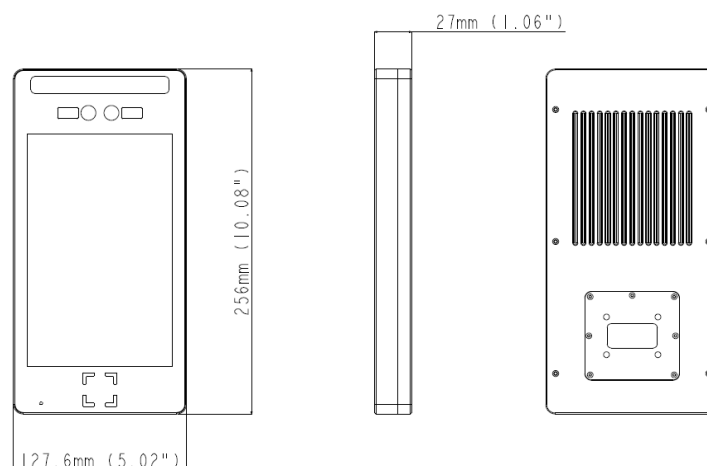

Key Features

- 8" IPS touch screen with 800 x 1280 HD display
- Face recognition distance of up to 1 m (3 ft)
- Built-in RGB & IR cameras
- 10,000 face image capacity
- 10,000 access card capacity
- Built-in 13.56 MHz reader for ISO 14443A (MIFARE DESFire, MIFARE Plus and MIFARE Classic)
- Liveness detection (face spoofing detection)
- Built-in LED light for nighttime and low-light face recognition
- Three access modes: Face Only mode, Card or Face mode, Card + Face mode
- QR code scanning for visitor access via GV-ASManager's visitor management system
- Integration with third-party Wiegand controllers
- Mobile app supported for push notifications
- 5 languages supported (English, French, Japanese, Spanish, Portuguese, and Traditional Chinese)
- CE, FCC, LVD, RoHS compliant

INTRODUCTION

GV-FR Panel is a face-recognition-based access reader, with an 8" LCD touchscreen of 800 x 1280 HD display to deliver vivid live images. When connecting to GeoVision access control system, GV-FR Panel can grant or deny access not only based on faces recognition but also on card swiping, and card + face double-authentication. GV-FR Panel supports the smartcards following ISO/IEC 14443A, and is able to read QR codes issued by GV-ASManager's visitor management system to grant visitor access.

With on-edge face recognition ability, GV-FR Panel can be incorporated into any third-party Wiegand access control system. GV-FR Panel realizes the integration of AI video analytics and access control, bringing a new experience of convenience and improved security.

DIMENSIONS

SPECIFICATIONS

Binocular Cameras		RGB Camera	IR Camera
Image Sensor		1/2.7" CMOS	
Minimum Illumination		0.1 lux at F1.8	
White Balance		Automatic	
S/N Ratio		≥ 45 dB	
Frame Rate		30 FPS	
Dynamic Range		≥ 100 dB	
Touchscreen Panel			
Display		8" HD fully fitted IPS LCD	
Resolution		800 x 1280	
Capacity			
Face Recognition Distance		1 m (3 ft)	
Recognition Angle	Vertical (FOV)	51°	
	Horizontal (FOV)	33°	
Card Supported		- 13.56 MHz for ISO 14443A (MIFARE DESFire, MIFARE Plus and MIFARE Classic) - QR code reading	
Capacity	Face Image	10,000	
	Card	10,000	
	Event Log	30,000	
Operation Mode		Face Only mode, Card or Face mode, Card + Face mode	
Firmware Upgrade		via GV-IP Device Utility	
Installation Management		Web-based configuration	
Mechanical			
Audio		One-way audio with built-in speaker	
Motion Detection Radar		Sensing distance up to 4 m (13 ft)	
Internal Storage		16 GB eMMC	
Connectors	Power	DC Jack	
	Ethernet	10 / 100 M, RJ-45 Connector	
	Relay Output	30V DC 1A	
	Wiegand	Wiegand 26 /34	
	USB	2.0	
General			
Language		English, French, Japanese, Spanish, Portuguese, Traditional Chinese	
Operating Temperature		-10 ~ 60 °C (14 ~ 140 °F)	
Humidity		10% ~ 90% (non-condensing)	
Power		DC 12 V, 3 A	
Max. Power Consumption		18 W	
Dimensions (H x W x D)		256 x 127.6 x 27 mm (10.08 x 5.02 x 1.06 in)	
Weight		955 g (2.11 lb)	
Regulatory		CE, FCC, LVD, RoHS	

Note: All specifications are subject to change without prior notice.

FIRMWARE AND SOFTWARE COMPATIBILITY

GV-FR Panel is compatible with the following firmware and software versions:

Supported Product / Application		Version
Controller	GV-AS210 / 2110 / 2120	V2.31 or later
	GV-AS410 / 4110 / 4111	
	GV-AS810 / 8110 / 8111	
	GV-AS1520	V2.06 or later
	GV-AS1620	V1.03 or later
	GV-CS1320	V3.05 or later
	GV-EV48	V2.31 or later
GV-FWC access data converter		V1.02 or later
GV-ASManager access control software		V5.3.1 or later
Face Enrollment		GV-ASManager (software) V5.3.1 or later, GV-Face Manager (utility) V1.3.0 or later, GV-Face (mobile app) V2.1 or later
Firmware Upgrade		GV-IP Device Utility V8.9.3 or later

PACKING LIST

- GV-FR Panel
- Wall Mount Bracket kit
- Wiegand cable
- RJ-45 cable

- USB Host PH2.0-4P cable
- USB OTG PH2.0-4P cable
- Power cable

OPTIONS

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-AS1520	GV-AS1520, designed for parking lot management, is a controller with a built-in Radio Frequency Identification (RFID) reader and able to store up to 100,000 cards.
GV-AS1620	GV-AS1620 is a single door controller with three types of interfaces, Wiegand, RS-485 and TCP/IP, to accommodate various readers for entry and exit management.
GV-AS21/ AS41 / AS81 Series	GV-AS series are controllers used to manage up to 2 / 4 / 8 doors via connected readers and have the capability of storing and granting / restricting access for up to 100,000 cards.
GV-CS1320	GV-CS1320 is an access controller with a built-in 2 MP camera and 13.56 MHz reader. It can manage up to 40,000 access cards and be connected with up to 2 extended readers.
GV-EV48	GV-EV48 is an elevator controller designed to control access of 1 elevator with a maximum of 48 floors.
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.
GV-MT800	With GV-MT800, GV-FR Panel can be mounted standing up on a surface, such as a counter or desk.

| GV-MT801 | | With GV-MT801, GV-FR Panel can be conveniently installed at any location aboveground. |
| Power Adapter | | Contact our sales representatives for the countries and areas supported. |