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



Key Features

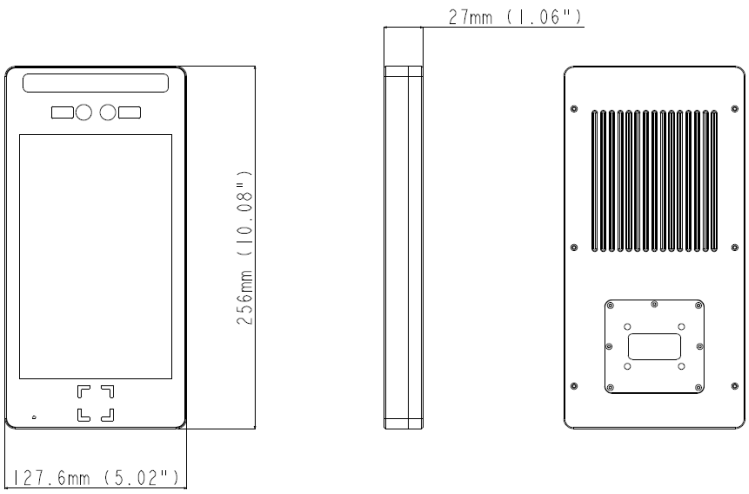
- 8” IPS touch screen with 800 x 1280 HD display
- Face recognition distance of up to 1 m (3 ft)
- Built-in RGB & IR cameras
- 10,000 face image capacity
- 10,000 access card capacity
- Built-in 13.56 MHz reader for ISO 14443A (MIFARE DESFire, MIFARE Plus and MIFARE Classic)
- Liveness detection (face 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
- Standalone application
- Integration with third-party Wiegand controllers
- Mobile app supported for push notifications
- 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, as well as working as a standalone by simply connecting to a door lock to grant access – which transform an existing system into an intelligent and secure 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
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.

Electric Lock	Three types of electric locks are available: electromagnetic lock, electric bolt and electric strike.
Power Adapter	Contact our sales representatives for the countries and areas supported.