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, ISO 14443A reader
- Built-in LED light for nighttime and low-light face recognition
- Liveness detection (face spoofing detection)
- Mask Detection
- Masked Face Recognition
- Three access modes: Face Only mode, Card or Face mode, Card + Face mode
- Scanning QR codes of visitor access issued by GV-ASManager’s Visitor Management System
- Scanning QR codes of the EU Digital COVID Certificate
- Integration with third-party Wiegand controllers
- Mobile app supported for push notifications
- 16 languages supported
- CE, FCC, LVD, RoHS compliant

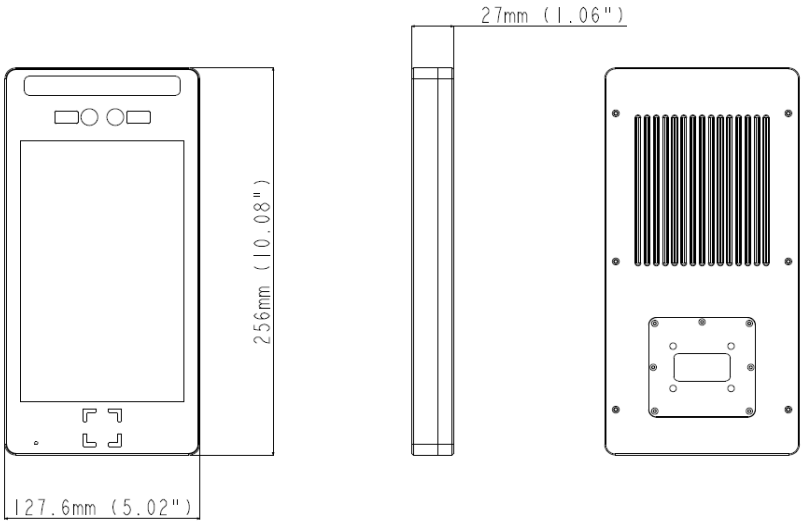
INTRODUCTION

GV-FR Panel is a face-recognition-based access reader, with an 8" LCD touchscreen that displays 800 x 1280 HD images. When connected to GeoVision access control systems, GV-FR Panel can grant or deny access based on multiple credential types including face recognition, access cards, and card + face double authentication.

Additionally, GV-FR Panel can read QR codes from *GV-ASManager's Visitor Management System (GV-VMWeb)* as well as the *EU Digital COVID Certificate*.

With its cutting-edge face recognition ability, GV-FR Panel can also be integrated into any third-party Wiegand access control system. By combining AI video analytics with access control, it delivers a new level of convenience and security.

DIMENSIONS



MODELS

Model	GV-FR Panel-5	GV-FR Panel-10
Event Log	50,000	100,000

SPECIFICATIONS

Binocular Cameras		GV-FR Panel-5		GV-FR Panel-10	
		RGB Camera	IR Camera	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 ISO 14443A - QR code reading			
Capacity	Face Image	10,000			
	Card	10,000			
	Event Log	50,000		100,000	
Operation Mode		Face Only mode, Card or Face mode, Card + Face mode			
Firmware Upgrade		via GV-IP Device Utility			
Installation Management		Web-based configuration			
Face Recognition					
Recognized Face Angle	Tilt (Up / Down)	-15° ~ 10°			
	Swing (Left / Right)	-25° ~ 20°			
Mechanical					
Audio		Built-in speaker and microphone			

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 bits, distance 100 m (328.1 ft) via GV-AS1620 / 2120 / 4110 / 4111 / 8110 / 8111
	USB	2.0
General		
Language		Bulgarian, Czech, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Slovak, Spanish, Simplified Chinese, Thai, Traditional Chinese, Ukrainian
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:

1. Connecting the reader to a third-party controller could limit the maximum Wiegand connection distance to 30 m (98.43 ft).
2. All specifications are subject to change without prior notice.

FIRMWARE AND SOFTWARE COMPATIBILITY

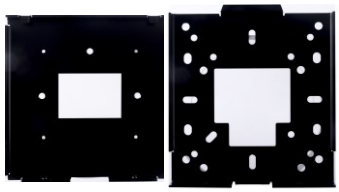
GV-FR Panel is compatible with the following firmware and software versions:

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
GV-VMS		V17.4.8 / V18.3.5 or later
GV-Edge Recording Manager		V2.2.0 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

Model	Details
GV-AS ID Card, Key Fob, Sticker	13.56 MHz cards, key fobs and stickers 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.
GV-Mount800 	With GV-Mount800, GV-FR Panel can be mounted standing up on a surface, such as a counter or desk. Dimensions: 209 x 54 x 69 mm (8.23” x 2.13” x 2.72”) Weight: 449 g (0.99 lb)
GV-Mount801 	With GV-Mount801, GV-FR Panel can be conveniently installed at any location aboveground. Dimensions: 280 × 222 × 1205 mm (11.02” x 8.74” x 47.44”) Weight: 7.75 kg (17.09 lb)
GV-Mount920 	With GV-Mount920, GV-FR Panel can be mounted on a surface, power box, or VESA mount. Dimensions: 110 x 112 x 12 mm (4.33” x 4.4” x 0.47”) Weight: 0.32 kg (0.53 lb)
Power Adapter	Contact our sales representatives for the countries and areas supported.