

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



### Key Features

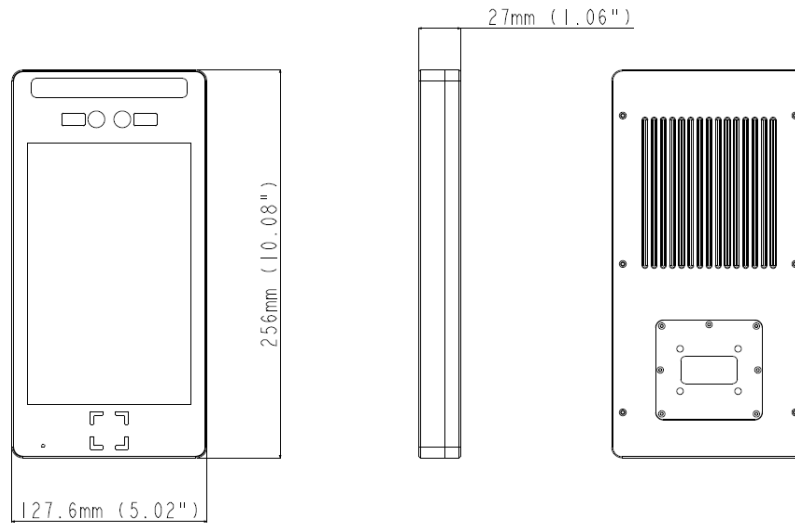
- 8" IPS touch screen with 800 x 1280 HD display
- Face recognition distance of up to 1 m (3 ft)
- Built-in RGB & IR cameras
- 10,000 face image capacity
- 10,000 access card capacity
- Built-in 13.56 MHz reader for ISO 14443A (MIFARE DESFire, MIFARE Plus and MIFARE Classic)
- Built-in LED light for 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 a variety of credentials 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.

GV-FR Panel, with cutting-edge face recognition ability, can be integrated into any third-party Wiegand access control system. It combines AI video analytics with access control to provide a new level of convenience and security. Furthermore, its live view can be cast onto GV-VMS / GV-Edge Recording Manager to build a more comprehensive surveillance management environment.

## 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			
<b>Touchscreen Panel</b>				
Display	8" HD fully fitted IPS LCD			
Resolution	800 x 1280			
<b>Capacity</b>				
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	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			
<b>Face Recognition</b>				
Recognized Face Angle	Tilt (Up / Down)	-15° ~ 10°		
	Swing (Left / Right)	-25° ~ 20°		
<b>Mechanical</b>				
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
	USB	2.0
<b>General</b>		
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:** 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	V17.5.0 / V18.4.0 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 & 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.	
 <p data-bbox="65 1128 240 1155">GV-Mount800</p>	<p data-bbox="647 1081 1086 1205">With GV-Mount800, GV-FR Panel can be mounted standing up on a surface, such as a counter or desk.</p>	<p data-bbox="1139 1081 1473 1155">Dimensions: 209 x 54 x 69 mm (8.23" x 2.13" x 2.72")</p> <p data-bbox="1139 1178 1386 1205">Weight: 449 g (0.99 lb)</p>
 <p data-bbox="65 1547 240 1574">GV-Mount801</p>	<p data-bbox="647 1498 1086 1621">With GV-Mount801, GV-FR Panel can be conveniently installed at any location aboveground.</p>	<p data-bbox="1139 1498 1505 1574">Dimensions: 280 x 222 x 1205 mm (11.02" x 8.74" x 47.44")</p> <p data-bbox="1139 1597 1422 1624">Weight: 7.75 kg (17.09 lb)</p>
 <p data-bbox="65 1874 240 1901">GV-Mount920</p>	<p data-bbox="647 1825 1086 1948">With GV-Mount920, GV-FR Panel can be mounted on a surface, power box, or VESA mount.</p>	<p data-bbox="1139 1825 1485 1901">Dimensions: 110 x 112 x 12 mm (4.33" x 4.4" x 0.47")</p> <p data-bbox="1139 1924 1406 1951">Weight: 0.32 kg (0.53 lb)</p>
<p data-bbox="65 2036 248 2063">Power Adapter</p>	<p data-bbox="647 2036 1437 2063">Contact our sales representatives for the countries and areas supported.</p>	