

GV-FR Panel V2 Face Recognition Panel with Built-in NFC Reader and IPS Touch Screen



GV-FR Panel V2

GV-FR Panel V2-QR

Key Features

- 7" IPS touch screen with 600 x 1024 HD display
- Face recognition distance of up to 2 m (6.6 ft)
- Built-in RGB & IR cameras
- 10,000 face image capacity
- 10,000 access card capacity
- 50,000 event log capacity
- Built-in 13.56 MHz for ISO 14443A reader
- Liveness detection (face spoofing detection)
- Masked face recognition
- Three access modes: Face Only mode, Card or Face mode, Card + Face mode
- QR code reading (optional)
- Integration with third-party Wiegand controllers
- Mobile app supported for push notifications
- 16 languages supported
- CE, FCC, LVD, RoHS compliant

INTRODUCTION

GV-FR Panel V2 is a face-recognition-based access reader equipped with a 7" LCD touchscreen that displays 600 × 1024 HD images. It offers the following features:

- **Access Credentials:** When connected to the GV-ASManager access control system, GV-FR Panel V2 can grant or deny access using: Face Recognition, Access Cards, and Card Plus Face Double Authentication.
- **QR Code Support:** GV-FR Panel V2-QR can read QR codes generated by the GV-ASManager Visitor Management System (GV-VMWeb). Guests can gain entrance to regulated areas by scanning the QR code displayed on their mobile phone.
- **Third-Party Integration:** GV-FR Panel V2, with advanced face recognition capability, can integrate into any third-party Wiegand access control system.
- **Surveillance Integration:** The live view from GV-FR Panel V2 can be cast onto GV-VMS, creating a more comprehensive surveillance management environment.
- **Tailgating Detection:** When integrated with the GV-GEBF4911 camera, GV-FR Panel V2 supports tailgating detection for a designated entry area. If multiple individuals are detected during a single access attempt, the GV-FR Panel V2 will deny access to prevent unauthorized entry.

MODELS

GV-FR Panel V2	
GV-FR Panel V2 with Pillar Stand	with Pillar Stand
GV-FR Panel V2-QR	with QR Code Reader
GV-FR Panel V2-QR with Pillar Stand	with QR Code Reader and Pillar Stand

SPECIFICATIONS

Binocular Cameras		RGB Camera	
Image Sensor		1/2.7" CMOS	
Minimum Illumination		0.1 lux at F2.0	
White Balance		Automatic	
Frame Rate		20 FPS	
Dynamic Range		85 dB	
Touchscreen Panel			
Display		7" IPS LCD	
Resolution		600 x 1024	
Capacity			
Face Recognition Distance		2 m (6.6 ft)	
Recognition Angle	Vertical (FOV)	62°	
	Horizontal (FOV)	78°	
Card Supported		13.56 MHz for ISO 14443A - QR code reading (Optional)	
Capacity	Face Image	10,000	
	Card	10,000	
	Event Log	50,000	
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 (Down / Up)	-35° ~ 35°	
	Swing (Left / Right)	-35° ~ 35°	
Network			
Interface		10/100 Ethernet	
Mechanical			
Audio		Built-in speaker and microphone	
Internal Storage		16 GB eMMC	
Connector	Power	DC jack	
	Ethernet	RJ-45	
	Wiegand Output	Wiegand 26 / 34 bits, distance 100 m (328.1 ft) via GV-AS1620 / 2120 / 4110 / 4111 / 8110 / 8111	
	Wiegand Input	Not functional	
	Relay Output	DC 30V, 1A	
	USB	2.0	
General		GV-FR Panel V2 / V2-QR	GV-FR Panel V2 with Pillar Stand / V2-QR with Pillar Stand
Language		Bulgarian, Chinese Simplified, Chinese Traditional, Czech, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Slovak, Spanish, Thai, Ukrainian	
Operating Temperature		-10°C ~ 50°C (14°F ~ 122°F)	
Humidity		10% ~ 90% (non-condensing)	
Power		DC 12V, 3A	
Max. Power Consumption		5 W	
Dimensions (H x W x D)		261 x 124 x 21.3 mm (10.28 x 4.88 x 0.84 in)	377 x 124 x 86 mm (14.84 x 4.88 x 3.39 in)

Weight	0.92 kg (2.03 lb)	1.35 kg (2.98 lb)
Pillar Stand Tilt Angle	N/A	45°

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 notice.

FIRMWARE AND SOFTWARE COMPATIBILITY

GV-FR Panel V2 is compatible with the following firmware and software versions:

Supported Product / Application		Version
Controller	GV-AS210 / 2110 / 2120	V2.60 or later
	GV-AS410 / 4110 / 4111	
	GV-AS810 / 8110 / 8111	
	GV-AS1620	V1.13 or later
	GV-CS1320	V3.13 or later
	GV-EV48	V2.31 or later
GV-FWC access data converter		V1.02 or later
GV-ASManager access control software		V6.1.0 or later
GV-VMS		V17.4.8 / V18.3.5 or later
GV-Edge Recording Manager (Windows)		V2.3.0 or later
Face Enrollment		GV-ASManager (software) V6.1.0 or later GV-Face Manager (utility) V1.3.0 or later GV-Face (mobile app) for Android V2.2.0 or later / for iOS V2.2.1 or later
Firmware Upgrade		GV-IP Device Utility V9.0.2 or later

PACKING LIST

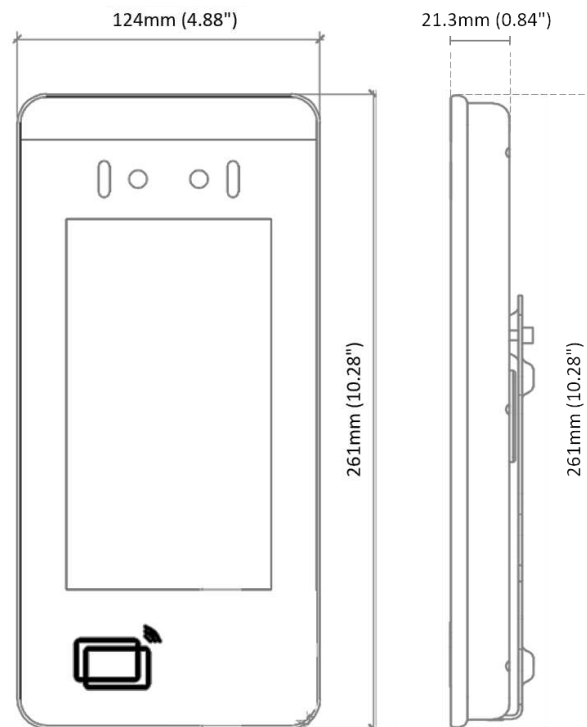
- GV-FR Panel V2
- Wall Mount Bracket Kit
- Screw Kit
- Power Adapter DC 12V 3A

OPTIONS

GV-AS ID Card, Key Fob, Sticker		13.56 MHz cards / key fobs 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-Mount516	Junction Box with VESA / Power Box Mount Bracket		Dimensions: 233.6 × 105 × 43 mm (9.2" × 4.1" × 1.7") Weight: 0.40 kg (0.9 lb)
GV-Mount801 (Must be used with GV-Mount516)	Standing Mount		With GV-Mount801, GV-FR Panel can be conveniently installed at any location aboveground. Dimensions: 280 × 222 × 1205 mm (11.02" × 8.74" × 47.44") Weight: 7.75 kg (17.09 lb)

DIMENSIONS

GV-FR Panel V2 / V2-QR:



GV-FR Panel V2 with Pillar Stand / V2-QR with Pillar Stand:

