

GV-FR2020 Face Recognition Reader



The face recognition reader can be used in conjunction with the GV-AS Controller and GV-ASManager to provide an intuitive, smart access control solution. When combined with a GeoVision controller and software, GV-FR2020 can operate in Face Recognition mode as well as Card, Card + Face Recognition, or Password + Face Recognition.

KEY FEATURES

- 2.4" TFT color screen, 320 x 240-pixel display
- Special stereo dual sensors (Lens and IR sensor)
- Up to 80 cm (31.50 in) detection range
- 2,000 face capacity
- ≤ 0.5 second verification speed
- 16-bit Hi-Fi voice and sound indication
- 12V DC, 2 A / PoE+ (IEEE 802.3at)
- Built-in 13.56 MHz, ISO 14443A reader
- Four access modes: Face Recognition mode, Card mode, Card + Face Recognition mode, and Password + Face Recognition mode
- Integration with third-party Wiegand controllers
- Standalone operation
- Anti-Passback (APB) support
- 3 languages supported (English, Traditional Chinese and Hebrew)
- CE, FCC compliant

SPECIFICATIONS

Hardware	
Application	Indoor use only
LCD Display	2.4" TFT color screen, 320 x 240 pixel
CPU	1G MHz
Ambient Light	0-5000 lux
Image Sensor	Special stereo dual sensors (Lens and IR sensor)
Function	
Detection Range	Up to 80 cm (31.50 in)
Communication Interface	TCP/IP (LAN) and Wiegand 26/34, distance 100 m (328.1 ft) via GV-AS1620 / 2120 / 4110 / 4111 / 8110 / 8111
Operation Mode	Face Recognition, Card, Password, Face Recognition + Card or Face Recognition + Password
Firmware Upgrade	USB 2.0 with a maximum capacity of 16 GB
Voice Instruction	16-bit Hi-Fi Voice and Sound Indication
RFID Card Supported	13.56 MHz, ISO 14443A 26-bit Wiegand card formats (UID only)
Number of Faces Stored	2,000 (for Face Recognition mode)
Standalone Function	Yes (for Face Recognition, Card and Password modes)
General	
Language	English, Hebrew, Traditional Chinese
Humidity	20% ~ 80%
Operating Temperature	0 ~ 40° C (32 ~ 104° F)
Power	12V DC, 2A / PoE+ (IEEE 802.3at) *Standalone mode only supports 12V DC.
PoE Power Supply Type	Mid-span
Digital I/O	1 relay output (30V DC, 3A) for standalone mode only
Dimensions (H x W x D)	147 x 175 x 62 mm (5.79 x 6.89 x 2.44 in)
Weight	0.33 kg (0.73 lb)
Certification	CE, FCC

Note:

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

Firmware and Software Compatibility

GV-FR2020 supports synchronization with GV-ASManager and GV-AS Controller through the Ethernet that are of the following software and firmware versions:

GV-FR2020	V2.44	V2.73
GV-ASManager	V4.4.2	V5.2.0 or later
GV-AS210 / 2110 / 2120	V1.41	V2.21 or later
GV-AS410 / 4110 / 4111		
GV-AS810 / 8110 / 8111		
GV-AS1620	V1.0	V1.0 or later
GV-CS1320	V1.0	V3.02 or later

Options

GV-AS ID Card, Key Fob, Sticker	13.56 MHz cards, key fobs and stickers are available for Card Mode or Card + Face Recognition Mode.
GV-POE Switch	GV-POE Switch is designed to provide power along with network connection for IP devices. Note GV-FR2020 is only compatible with mid-span PoE power supply, and supports the following GV-POE Switch models only: GV-POE0400-V2, GV-POE0410-E, GV-POE0801, GV-POE0810, GV-POE0812.
Power Adapter	Contact our sales representative for the countries and areas supported. Note this is only required for standalone mode.

Packing List

- Face Recognition Reader
- Mounting Plate
- Standard Screw x 4
- Plastic Screw Anchor x 4
- Security Screw
- Data Cable
- Warranty Card