

## GV-FR2020 Face Recognition Reader



The face recognition reader can work with GV-AS Controller and GV-ASManager for an intuitive, smart access control solution. When integrated with GeoVision controller and software, GV-FR2020 can operate under Face Recognition mode, as well as other modes including Card, Card + Face Recognition and 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 (only for standalone operation) / PoE+ (IEEE 802.3at)
- Built-in 13.56 MHz Reader
- Work with GV-AS21/41/81 series / AS1620 / CS1320 Controller and GV-ASManager
- Wiegand 26 / Wiegand 34 support for physical connection
- Can work as a standalone reader
- Four access modes for the integration with GeoVision controller and software: Face Recognition mode, Card mode, Card + Face Recognition mode and Password + Face Recognition mode
- 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  |
| 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, 26-bit Wiegand card formats (UID only)<br>ISO14443A (MIFARE DESFire, MIFARE Plus and MIFARE Classic) |
| 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, 2 A (only for standalone) / PoE+ (IEEE 802.3at)   |
| PoE Power Supply Type   | Mid-span  |
| Digital I/O             | 1 relay output (30V DC, 3A) for standalone operation 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:** 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 & GV-AS ID Key Fob | For Card and/or Card + Face recognition modes, the GV-AS ID Card / Tag is required. 13.56 MHz cards and tags are available.   |
| Power Adapter                    | Contact our sales representative for the countries and areas supported. Note this is only required for standalone mode.   |
| GV-POE Switch                    | GV-POE Switch is designed to provide power along with network connection for IP devices. GV-POE Switch is available in various models with different numbers and types of ports. 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. |

## Packing List

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