

## Architectural and Engineering Specifications

### GV-R1352 Card Reader

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*The document is written using industry standard formatting and language, and is designed for use by architects, consultants, and specifying engineers who are preparing bid specifications for security cameras, surveillance systems and access control systems.*

*The electronic version of these specifications may be copied into the appropriate sections of a complete bid specification by using the “cut and paste” method. They are written to highlight the features and specifications of GeoVision products. Section headings mention specific models only for clarity – these may be deleted after insertion into the complete specification.*

*Product covered in this document includes:*

- *GV-R1352 Card Reader*

*The GV-R1352 is a card reader designed to recognize identification cards. Featured with the Wiegand and RS-485 outputs, the unit can be connected to any standard access control panel. GV-R1352 comes with a weather sealed and IP66 compliant housing for outdoor use.*

All specifications are subject to change without prior notice. For more information on GeoVision products, please visit [www.geovision.com.tw](http://www.geovision.com.tw).

## GV-R1352 Card Reader



### A. General Requirements

1. The card reader shall be capable of performing card verification before access can be granted.
2. The card reader shall read frequency of 13.56 MHz according to ISO14443A, supporting Mifare DESFire, Mifare Plus and Mifare Classic cards.
3. The card reader shall read UID (unique identification) or GID (GeoVision ID) on ID cards.
4. The card reader shall be equipped with an 8-bit microprocessor CPU.
5. The card reader shall be equipped with a LED indicator, which is controlled by the host system and changes from red to green to indicate access granted.
6. The card reader shall be equipped with a host-controllable buzzer.
7. The user shall be able to overlay card numbers recognized at the card reader onto a camera channel on GV-NVR / DVR.

## B. Interface Requirements

1. Wiegand Interface:
  - A) The card reader shall be a Wiegand card reader of 26 or 34 bits.
  - B) The distance between the card reader and the controller through Wiegand connection shall be up to 100 meters (328.1 ft).
  - C) The Wiegand interface shall support both GeoVision and 3rd party controllers (Wiegand 26/34 bits).
2. RS-485 Interface:
  - A) The distance between the card reader and the controller through RS-485 connection shall be up to 600 meters (1968.50 ft) at 9600 bps.
  - B) Up to 8 card readers shall be able to be connected together with a single RS-485 cable to the RS-485 interface on the controllers.
  - C) The RS-485 interface shall only support GeoVision controllers.
3. The number of card readers supported by GeoVision access controllers shall be as follows.

<b>GV-AS Controllers</b>	<b>Wiegand</b>	<b>RS-485</b>
GV-AS100	1	1
GV-AS110 / 120	1	Not supported
GV-AS1010	Not supported	2
GV-AS1110	Not supported	Not supported
GV-AS100 / 110 / 120 with GV-ASBox	2	4
GV-AS100 / 110 / 120 with GV-ASNet	Not supported	2
GV-AS210 / 2110 / 2120 Kit	4	8
GV-AS410 / 4110 Control Panel GV-AS410 / 4110 / 4111 Kit	8	8
GV-AS810 / 8110 Control Panel GV-AS810 / 8110 / 8111 Kit	8	16
GV-EV48	Not supported	2
GV-CS1320	Not supported	2

### **C. Mechanical Requirements**

1. The card reader shall have dimensions of 65.8 x 115.6 x 20.5 mm / 4.6 x 2.6 x 0.8 in.
2. The card reader shall have a weight of 120 g / 0.26 lb.
3. A mounting plate accessory shall allow users to attach the card reader to a US single gang power box.

### **D. Power Requirements**

1. The card reader shall be capable of receiving power from DC 7.5V ~ 12V.
2. The card reader shall consume 60 mA of power.

### **E. Environmental Requirements**

1. The operating temperature of the card reader shall be within the range of -35 ~ 66° C / -31 ~ 150.8° F.
2. The operating humidity shall be within the range of 10% ~ 90% RH with no condensation.
3. The card reader shall comply with IP66 protection classification.

### **F. Packing list shall include:**

1. Card Reader
2. Screw x 3
3. Screw Anchor x 2
4. Security Torx
5. Software CD
6. Installation Guide
7. Warranty Card

### **G. Certifications and Approvals**

1. CE, FCC, RoHS, UL, CUL compliant.

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