GV-CS1320 2MP H.264 Camera Access Controller with a built-in Reader



Introduction

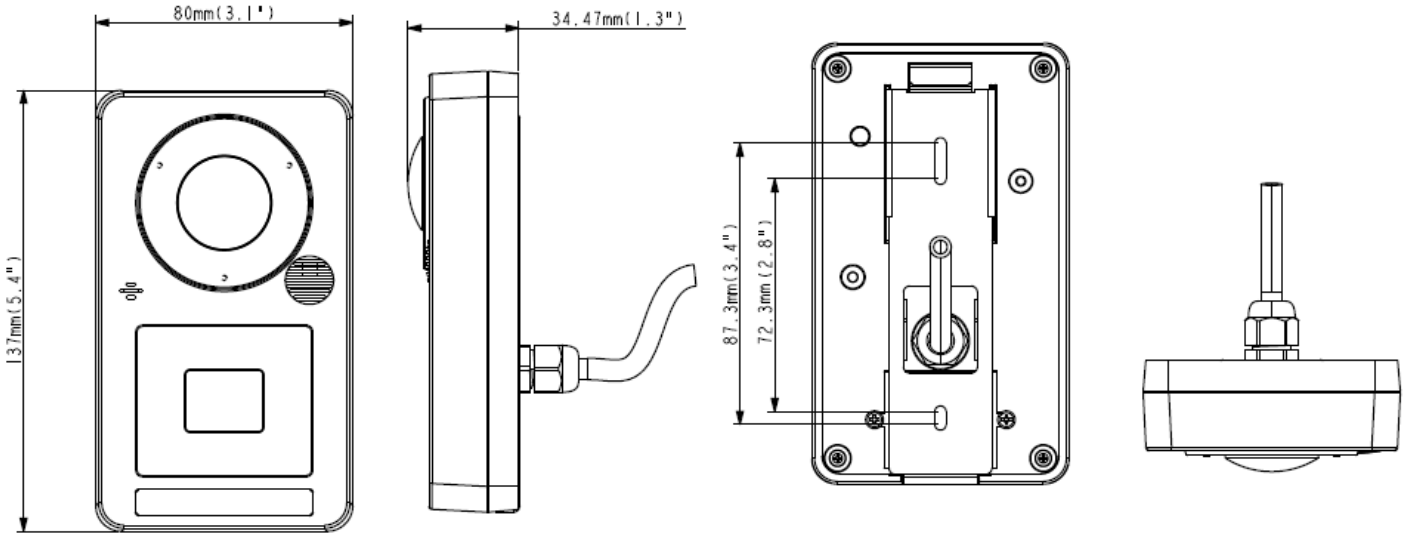
GV-CS1320 is an access controller with a 2 MP camera and 13.56 MHz reader built in. GV-CS1320 recognizes access control cards and accordingly grants access to up to 100,000 users. Its camera captures a live view of the entrance and transmits it to the access control system GV-ASManager over a network, eliminating the need to install and maintain a separate camera in addition to the camera access controller.

When the touchpad on the GV-CS1320 is activated, it will make a VoIP call to the operator, allowing the operator to communicate with the visitor and enter an access code to unlock the door.

For the operator to communicate with visitors at the door installed with GV-CS1320 and grant access, three types of notifications are available: SIP/VoIP Calling, GV-ASNotify PC program, and GV-Access mobile app.



Dimensions



Key Features

Camera

- 2 MP progressive scan super low lux CMOS
- Minimum illumination at 0.02 lux
- Dual streams from H.264 and MJPEG
- Up to 15 fps at 1920 x 1080
- Day and night function (with removable IR-cut filter)
- Built-in IR with effective distance up to 3 m (10 ft)
- Ingress protection (IP66)
- 12V DC, 2.5A / PoE+ (IEEE 802.3at)
  Built-in microphone and speaker
- Wide Dynamic Range (WDR)
- Built-in micro SD card slot
- Provides 180° panorama view
- ONVIF (Profile S) conformant

Reader

- Built-in 13.56, ISO 14443A MHz reader
- Support for GV-Proximity Cards with GID (GeoVision Identifier) to enhance security
- 2 types of interfac
- es, RS-485 and TCP/IP, supporting 2 readers for each interface
- OSDP communication through RS-485

Access Control

- 1 door (one-way or two-way control)
- 2 inputs, dry contact (Door Sensor / Exit Button)
- 1 relay outputs (Electric Lock)
- Support for GV-I/O Box 4 Ports for door / fire / temper sensor, door button and doorbell applications
- Touchpad to activate two-way communication between the operator and visitors
- Snapshots captured upon card presented and touchpad activated
- SIP / VoIP calling support
- Anti-passback (APB) support
- GV-Access app for push notifications

Specifications

Camera		
Image Sensor		1/2.8" progressive scan super low lux CMOS
Picture Elements		1920 (H) x 1080 (V)
Minimum Illumination	B/W	0.02 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec)
White Balance		Automatic, Manual (2800K ~ 8500K)
S/N Ratio		52 db
Lens		
Megapixel		Yes
Day / Night function		Yes (with removable IR-cut filter)
Lens Type		Fixed
Focal Length		1.7 mm
Maximum Aperture		F/2.5
Mount		M12
Image Format		1/2.8"

Horizontal FOV		180°
IR LED Quantity		2
Max. IR Distance		3 m (10 ft)
Operation		
Video Compression		H.264, MJPEG
Video Streaming		Dual streams from H.264 and MJPEG
Video Resolution	Stream 1	1920 x 1080 (16:9)
	Stream 2	640 x 360 (16:9)
Frame Rate		15 fps at 1920 x 1080 * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
Maximum Stream		8 connections
Image Setting		Brightness, Contrast, Saturation, Sharpness, Gamma, White Balance, Image Orientation, Shutter Speed
Audio Compression		G.711
Network		
Interface		10/100 Ethernet
Protocol		DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SIP, SMTP, SNMP, TCP, UDP, UPnP, 3GPP/ISMA
Mechanical		
Local Storage		Micro SD card
Connectors	Power	2-pin terminal block
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Connector
	Audio	Built-in microphone and speaker
	RS-485	RS-485 interface for max. 2 RS-485 / OSDP readers
General		
Operating Temperature		-10 ~ 50 °C (14 ~ 122 °F)
Humidity		10 ~ 90% (no condensation)
Power Source		12V DC, 2.5A / PoE+ (IEEE 802.3at)
Maximum Power Consumption		25.5 W
Certification		CE, FCC, RCM, RoHS compliant
Dimensions		137 x 80 x 34.5 mm (5.4 x 3.15 x 1.36 in)
Weight		315 g (0.69 lb)
Ingress Protection		IP66
Web Interface		
Installation Management		Web-based configuration
Maintenance		Firmware upgrade through Web Browser or Utility
Access from Web Browser		Camera live view, change video quality, bandwidth control, image snapshot, audio, picture in picture, picture and picture
Language		English, French, Portuguese, Russian, Spanish, Traditional Chinese
Applications		
Network Storage		GV-DVR / NVR / VMS
Mobile Phone support		Embedded 3GPP/ISMA browser
Live Viewing		Browser (IE, Edge, Chrome, Firefox)
Access Control / LPR Management		GV-ASManager

Controller	
Number of User Cards	100,000 cards (networked mode)
Frequency	13.56 MHz ISO14443A
Event Buffer	50,000 events and log data
RS-485 Interface	1 RS-485 interface for max. 2 RS-485 / OSDP readers
TCP/IP Interface	1 TCP/IP interface for max. 2 readers: GV-CR420, GV-GF1921 / 1922, GV-FR2020, GV-FWC (for connecting GV-FD8700-FR and GV-VD8700)
Communication Protocol	TCP/IP
Digital I/O	2 inputs, dry contact NO/NC
	1 relay outputs (30V DC, 0.5A)
Supported ID Formats	Built-in GID and UID reader

Note:

1. For the RS-485 interface, connect just one of the following readers to GV-CS1320: GV RS-485 readers and OSDP compliant readers.
2. Only GeoVision readers are supported by RS-485 and network communications, while OSDP is compatible with third-party readers.
3. All specifications are subject to change without notice.

Packing List

- GV-CS1320
- Mounting Plate
- Standard Screw x 2
- Plastic Screw Anchor x 2
- Security Screw
- Torx Wrench
- Silica Gel Bag
- Micro SD Card 2 GB (formatted and installed)
- Software DVD
- Warranty Card

Options

Optional devices can expand the capabilities and versatilities of your GV-AS Controllers. Consult your sales representative for more information.

GV-AS ID Card, Key Fob, Sticker	13.56 MHz cards, key fobs and stickers are available.
GV-FWC	GV-FWC can integrate GV-Face Recognition Cameras and GV-AI FR into access control systems by sending access card data, paired to Face IDs, to controllers either through TCP/IP or Wiegand connection.
GV-IB25 / 65 / 85 Infrared Button	GV-IB25 / 65 / 85 Infrared Button detects infrared movement within 3 to 12 cm and allows you to open the door with a wave of hand.
GV-IO Box 4 Ports	GV-IO Box 4 Ports provides 4 inputs and 4 relay outputs. It supports both DC and AC output voltages, and provides a USB port for PC connection.
GV-WTR	GV-WTR is a converter designed for converting Wiegand interface to RS-485 interface, and vice versa. It enables 3rd party readers to be connected to RS-485 GV-Controllers, as well as allowing GV-AI FR (software) and GV-CR1320 (RS-485 camera reader) to be connected to 3rd-party Wiegand controllers.
Electric Lock	Three types of electric locks are available: electromagnetic lock, electric bolt and electric strike.
Power Adapter	Contact our sales representatives for the countries and areas supported.
Push Button Switch	The push button switch can be integrated with access control system, allowing door exit by momentarily activating or deactivating the electric locking device. Both American standard and European standard push buttons are available.