



Contents

GV-Recording Server / Video Gateway V2.1.0 2022-11-29	2
GV-Recording Server / Video Gateway V2.0.2 2022-03-04	5
GV-Recording Server / Video Gateway V2.0.1 2021-12-16	5
GV-Recording Server / Video Gateway V2.0.0 2020-09-21	6
GV-Recording Server / Video Gateway V1.4.2 2019-01-24	8
GV-Recording Server / Video Gateway V1.4.1 2018-09-28	8
GV-Recording Server / Video Gateway V1.4.0 2018-01-11	10
GV-Recording Server / Video Gateway V1.3.0 2016-05-20	12
GV-Recording Server / Video Gateway V1.2.5 2015-03-06	13
GV-Recording Server / Video Gateway V1.2.4 2014-07-18	14
GV-Recording Server / Video Gateway V1.2.3 2013-12-16	15
GV-Recording Server / Video Gateway V1.2.2 2013-09-11	16
GV-Recording Server / Video Gateway V1.2.0 2012-02-26	17
GV-Recording Server / Video Gateway V1.1.1 2012-07-11	18
GV-Recording Server / Video Gateway V1.1.0 2012-01-18	19
GV-Recording Server / Video Gateway V1.0.2 2011-08-23	20
GV-Recording Server / Video Gateway V1.0.1 2011-06-28	20



GV-Recording Server / Video Gateway Version History

GV-Recording Server / Video Gateway V2.1.0 2022-11-29

New:

- Support for Windows 11 / Server 2019
- Support for text message alert sent to GV-Vital Sign Monitor for the following events:
 - Disk removed
 - Recording failure
- Support for camera motion detection of the following GV-IP cameras:
 - GV-ABL / TBL Series
 - GV-ADR / TDR Series
 - GV-AVD / TVD Series
 - GV-BLFC5800
 - GV-EBD Series
 - GV-EBFC5800
 - GV-FER5702
 - GV-PTZ5810-IR
 - GV-SD2322-IR / SD2722-IR / SD3732-IR / SD4825-IR / SD4834-IR
 - GV-TFD Series
- Support for the following event types of Behavior Log:
 - DB Keep Day change
 - Modify Recording Policy
 - Modify Recycle Space Value
- Support for the following events recorded on the Windows Event Viewer
 - Disk full
 - Disk error
 - Disk removed
 - Dongle removed
 - Dongle inserted



- Motion detection settings in GV-Recording Server (the **Update settings to IP device** function) applicable to the following GV-IP cameras:
 - GV-ABL / TBL Series
 - GV-ADR / TDR Series
 - GV-AVD / TVD Series
 - GV-BLFC5800
 - GV-EBD Series
 - GV-EBFC5800
 - GV-FER5702
 - GV-PTZ5810-IR
 - GV-SD2322-IR / SD2722-IR / SD3732-IR / SD4825-IR / SD4834-IR
 - GV-TFD Series
- Support for full screen motion detection area by default when using the motion detection function on the camera (the **Use camera motion detection to reduce server load** function)
- Support for manual host renaming function on GV-Recording Server Management Tool
- Support for new HD DVR models (only **analog** channels supported and **HD DVR** license required):
 - UA-XVL810
 - UA-XVL1610
 - UA-XVR810
 - UA-XVR1620
- Support for GeoVision IP camera models:
 - GV-BX2802 / 4802
 - GV-FER5702
 - GV-PBL8800
 - GV-PDR8800
 - GV-TMEB5800



- Support for new IP camera models (**third-party** license required):
 - UA-B580F3
 - UA-R500F2
 - UA-R560F2
 - UA-R580F2
 - UA-R800F2
- “Disk Removed” warning message added to the main page when recording fails due to removal of disk

Fixed:

- Issue of garbled camera name display in Chinese
- Failure to access playback recordings using GV-Remote Viewlog V1
- Issue of playback recording access from GV-Edge Recording Manager / GV-Remote Viewlog V2 when the same host is repeatedly added and the existing camera is merged on GV-Recording Server
- Issue of automatic adjustment of GV-SD2322-IR frame rate and failure to adjust camera settings on GV-Recording Server
- Issue of sending the incorrect stream to GV-Control Center and GV-Edge Recording Manager

Modified:

- Settings automatically backed up for any changes made on the system
- Event type of “Disk Busy” added to the system log when data writing is too slow or fails
- Abnormal disk S.M.A.R.T. attributes included in the event type of “Disk Error” in the system log
- Recycle threshold dynamically adjusted according to the total storage size
- Keep Days configurations automatically applied to both system log and video files



GV-Recording Server / Video Gateway V2.0.2 2022-03-04

Fixed:

- Issue of Keep Days of system log smaller than that of recorded videos which causes the recorded videos, not within the set Keep Days of system log, are removed (only for GV-Recording Server)

Modified:

- Keep Days of system log set to 0 (unlimited) by default

GV-Recording Server / Video Gateway V2.0.1 2021-12-16

Fixed:

- Connection issue with certain Mobotix cameras (Patch V2.0.0.2)
- Chances of failure to update the motion detection areas from GV-Recording Server to GV-IP Camera, using the Update Settings to IP Device function (Patch V2.0.0.3)
- Issue of playback moving backwards with videos recorded on GV-Recording Server (Patch V2.0.0.4)
- Chances of not receiving the events of hardware motion detection from the following IP camera models: GV-ABL / ADR / AVD / EBD / TBL / TDR / TVD series, GV-SD2322-IR / 2722-IR / 3732-IR (Patch V2.0.0.4)
- Playback failure after running Remote ViewLog V1 for a time (Patch V2.0.0.4)
- Issue of CPU Utilization displayed as 100% in Windows 10 (Patch V2.0.0.5)
- Issue of the menu missing after right-clicking the GV-Recording Server icon in the system tray when the Active Directory is in use (Patch V2.0.0.6)
- Incorrect language display for the OK button on the popup window, requesting for ID and password setup on the first-time login (Patch V2.0.0.6)
- Failure of the Keep Days function when the Recycle is disabled (Patch V2.0.0.7)
- Chances of not recording motion events when using software motion detection (the Use Camera Motion Detection to Reduce the Server Load option is disabled) (Patch V2.0.0.8)
- Slow file recycling issue (Patch V2.0.0.11)
- Failure to display the correct disk space of the assigned storage path (Patch V2.0.0.12)
- Failure to display the correct camera list in GV-Remote ViewLog V2 when logging in with a User account (Patch V2.0.0.13)



- Chances of system error when connecting to an ONVIF device (Patch V2.0.0.14)
- Chances of failure when accessing GV-Recording Server using GV-Remote ViewLog V1 (Patch V2.0.0.16)
- Support for GV-SD4834-IR and GV-SD4825-IR (Patch V2.0.0.17)
- Incapability to find Avigilon cameras (Patch V2.0.0.18)
- Issue of creating large amount of system logs when the capacity of drive C is lower than 32 GB (only for GV-Video Gateway)

GV-Recording Server / Video Gateway V2.0.0 2020-09-21

New:

- Support for AES encryption for enhanced security
- Support for simultaneous recording of the preview stream
- Support for GV-Remote ViewLog V17.1 or later
- Support for remote video relay access by GV-Eye 2.7 through QR-code scan
- Support for ONVIF smart streaming feature
- Support for selecting only specific IP devices to be transmitted by Video Gateway
- Support for GV-VR360
- Recording Server Management Server added for organizing of multiple GV-Recording Server
- Compliance with the European Union's General Data Protection Regulation (GDPR)
- Support for importing of camera list exported by GV-IP Device Utility V8.7.2.0 or later
- Support for SNMP protocol
- Synchronizing recordings from the local storage of the following models of GV-IP cameras and ONVIF cameras (profile G conformant) after temporary disconnection:
 - GV-BL2702 series / 3700 / 4702 / 4713 / 5700 / 5713
 - GV-BX2700 series / 2700-FD / 4700 series / 4700-E / 4700-FD / 5700 series
 - GV-EBL4702 series / EBL4711 / EDR4700 series / EFD4700 series
 - GV-EFER3700 / EFER3700-W / FER5700 / FER5701
 - GV-MFD2700 series / MFD4700 series
 - GV-VD2702 / 2712 / 3700 / 4702 / 4711 / 4712 / 5700 / 5711



- Support for guiding users to create passwords for the following IP camera models, without default passwords, upon connecting:
 - GV-ABL Series / ADR Series / AVD Series / EBD Series / TBL Series / TDR Series / TVD Series / SD2722-IR / SD3732-IR

Fixed:

- Inability to display recordings of connected cameras using Remote ViewLog when a single opening quotation was present within the camera name
- Inability to record and display playback access in Playback Log when recordings were accessed by accounts other than Administrator
- Inability to block IP devices with repeated IP addresses in camera search (Patch V1.4.2.1)
- Inability to connect to Sony SNC-XM631 through ONVIF (Patch V1.4.2.1)
- Inability to access PTZ functions of GV-IP devices connected to GV-Recording Server/Video Gateway on GV-Control Center (Patch V1.4.2.2)
- Chances of system failure due to high memory usage when using Passive connection (Patch V1.4.2.5)
- Issues of disk error misjudged by the software (Patch V1.4.2.7)
- Chances of system error when connecting to GV-Remote ViewLog V2 over a prolonged period of time (Patch V1.4.2.9)
- Inability to connect to certain cameras via RTSP with lengthy RTSP URLs (Patch V1.4.2.9)
- Inability to search for certain 3rd-party cameras (Patch V1.4.2.9)
- Inability to assign a network card when using a dongle supporting for less than 128 Ch (Patch V1.4.2.9)
- Connection error of ONVIF devices with large RSTP headers (Patch V1.4.2.10)
- Chances of inability to receive motion detection events and start recording from the following GV-IP Camera models (Patch V1.4.2.12):
 - GV-ABL Series / ADR Series / AVD Series / EBD Series / TBL Series / TDR Series / TVD Series / SD2322-IR / SD2722-IR / SD3732-IR
- Chances of disconnection of IP devices connected via RTSP (Patch 1.4.2.13)
- False display of record failure for motion-triggered recording after a motion had ended (Patch V1.4.2.14)
- Chances of inability to access sub stream images remotely from GV-Control Center / Edge Recording Manager (Win) after restarting GV-Recording Server (Patch V1.4.2.15)



Modified

- Support for 256-channel camera recording and 600-channel video transmission
- Duration added for requiring recording failure to persist for the amount of time set before sending notifications
- Password supporting up to 32 characters and requiring at least 8 characters consisting of upper-case and lower-case letters and special characters
- DDNS V1 Server removed
- Only allowing each GV-Backup Center to connect to one GV-Recording Server at a time
- Copyright notices added to the Installer and accessible within the software directory

GV-Recording Server / Video Gateway V1.4.2 2019-01-24

Fixed:

- Chances of inability to build audio streams during video recording
- Inability to display recordings of connected cameras using Remote ViewLog when a single opening quotation was present within the camera name
- System log recording Admin account playback when recordings were accessed from Remote ViewLog regardless of the type of account used

Changed:

- Extending range of valid mac address for GV-IP devices

GV-Recording Server / Video Gateway V1.4.1 2018-09-28

New:

- Data privacy features to comply with the European Union's General Data Protection Regulation (GDPR)
- Support for GV-PPTZ14021 / 14031
- Support for GV-OPAL E1
- Support for GV-VR360
- Support for GV-ABL4712 / AVD4710



Fixed:

- Inability to access third-party camera profiles through ONVIF when the ONVIF and the HTTP command ports are different
- Inability to play audio when the camera is changed to another channel on the Working Camera List
- System malfunctioning after modifying the video attributes in the Camera Setting page
- System errors when operating PTZ functions on a motorized camera
- Video loss issues when operating PTZ functions on a motorized camera connected to GV-Recording Server through the passive connection mode
- Chinese camera names appearing scrambled when accessing camera live view through ViewLog
- Failure to reconnect when the camera connected to GV-Recording Server through RTSP is disconnected
- Incorrect camera image shown when playing back recorded videos through GV-Remote ViewLog
- Some channels connected to GV-Recording Server randomly displaying green images on the GV-Control Center's Matrix View
- Inability to connect to GV-VS21600 when motion detection is enabled
- System malfunctioning when the ONVIF cameras added to GV-NVR lose connection

For GV-Video Gateway only:

- Failure to reconnect when the camera connected to GV-Video Gateway through RTSP is disconnected
- Failure to save video attributes

Improved:

- Increased process priority on the CPU usage of GV-Recording Server
- Ability to query Backup and Merge log events through GV-Remote ViewLog



GV-Recording Server / Video Gateway V1.4.0 2018-01-11

New:

- Support for GV-Cloud Center
- Support for H.265 codec
- Support for GV-Desktop
- Support for GV-PPTZ7300 to automatically track moving objects under 360-degree view
- Support for GV-SD2322-IR, GV-SD3732-IR, GV-EBD4700
- Live streaming of GV-IP cameras on YouTube
- “Economic Mode” function added to the Video Gateway and Recording Server pages to conserve network bandwidth and hard drive space
- Support for specifying the maximum number of streams and the connection time to GV-Recording Server allowed per user
- Smart streaming of connected GV-IP cameras
- Time synchronization with the GV-IP cameras
- Automatic restart of the PC on a given schedule
- Support for automatically powering off and on PoE ports on a GV-POE Switch after disconnecting a specified number of times
- Network card assignment to individual GV-IP devices

For GV-Recording Server only:

- Playback time of video files on the Remote ViewLog together with which accounts performed the playback recorded in Behavior Log

Changed:

- Graphical charts of event analysis displayed using HTML 5

Improved:

- E-mail notification support upon inserting the USB dongle
- Ability to remove the default Administrator account directly from the Recording Server
- Case-sensitive password protection



For GV-Recording Server only:

- Automatic disk assignment to multiple camera channels
- Keep Days of Record Setting extended to 999 days
- Support for marking never-cycle video events through Remote ViewLog

Fixed:

- Problem where the PTZ speed of connected PTZ cameras cannot be adjusted as configured
- Inability to access Stream 2 of GV-VS2400
- Device name not displayed through the System Analysis Report function
- Inability to recycle read-only files
- Memory not assigned properly, resulting in the failure of GV-Recording Server
- GV-Edge Recording Server accessing videos from GV-Recording Server using user accounts with limited access rights
- Problem where videos recorded by certain third-party IP cameras connected through RTSP protocol are disfigured
- Inability to connect to certain third-party IP Cameras through ONVIF protocol
- Inability to save the settings of ONVIF cameras when the http port is changed
- Rare chance of GV-PoE Switch used on connected IP devices failing to display in the Search function
- Certain GV-IP cameras not detected by using the Search function on GV-Recording Server
- Inability to accurately display camera names of GV-VS14 through Remote ViewLog
- Green screen shown while playing the H.265 video content converted to the Standard Codec on Remote ViewLog
- System malfunctioning when clicking Save on the Notification page if the camera name contains the ' (apostrophe) symbol



GV-Recording Server / Video Gateway V1.3.0 2016-05-20

New:

- Support for Windows 10
- Support for video encoding in the standard H.264 codec
- Support for image orientation of corridor scenes
- Support for Fisheye dual streams
- Support for AVI repair to database

Improved:

- Storage accessibility which allows users to access camera's recorded videos within the software folder
- A new "Merge" option for adding the camera, which allows access to the video events from both the existing and newly added cameras of the same channel in Remote ViewLog Player
- Motion Detection in which the Minimum Duration and Noise Tolerance options are added to avoid false motion alert
- Camera Connection Information which now includes the camera's firmware version
- Behavior Log Query which now records the time when the cameras start and stop recording
- Camera motion detection to reduce the server load which is now available for the camera connected through ONVIF protocol
- Database / Cache which allows the users to specify the duration of event files to be loaded at Remote ViewLog startup
- Support for a network drive to be set up as storage path, e.g. the drive from an iSCSI or a NAS system

Fixed:

- Failure of GV-Video Gateway to stream live view after audio is enabled on clients
- Failure to reconnect to the camera if it is connected over a narrow bandwidth in passive mode
- Failure to display the name of the camera in Working Camera List under Single Live View of Advanced Query



GV-Recording Server / Video Gateway V1.2.5 2015-03-06

New:

- Support for recording backup to GV-Redundant / Failover Server V1.1.0
- Support for database repair
- Support for configuration on GV-POE Switch to enable/disable PoE function for a single port, and view port status
- Support for new GeoVision DDNS server (.gvip.com)

Improved:

- Added text overlay setting to display camera names and time stamps on the camera views
- Added “Apply the settings to all cameras” options to enable the same streaming settings, video codec and resolutions on all IP cameras of the same model
- Added “Skip setting of IP Camera” option to keep the current codec and resolution settings of IP cameras when the GV-Recording Server restarts
- Support for setting minimum time duration of Connection Lost, Passive Connection Lost and Motion Detection in e-mail notification
- Support for HDD S.M.A.R.T status to monitor hard disk reliability
- Support for sending a system report in PDF form via e-mail automatically on a specific day of the week
- Support for ONVIF dual streams

Changed:

- Increased the minimum size of recycle threshold from 8 GB to 32 GB



GV-Recording Server / Video Gateway V1.2.4 2014-07-18

New:

- Remote backup with GV-Backup Center V1.1.2
- Support for software license of 8 and 16 ports

Fixed:

- System instability when the free hard disk space displays zero
- Failure to query video recycling events in system log
- Inability to send e-mail alerts without enabling login authentication of SMTP mail server

Changed:

- Keep day of system log and recorded files extended to 180 days



GV-Recording Server / Video Gateway V1.2.3 2013-12-16

New:

- Support for connection with one GV-Vital Sign Monitor V8.5.9
- Support for Instant Playback of GV-Recording Server recordings on GV-Control Center V3.1.1
- Preview Query function to access live view and recordings by selecting from snapshots of all connected cameras
- Support for Internet Explorer 11

Fixed:

- Network traffic information in Server Information page corresponding to the incorrect network interface card
- Inability to receive audio in some channels when the connecting clients are accessing live view and switching channels or screen divisions at the same time
- Incorrect display of street view in Google Maps when using Compatibility Mode in Internet Explorer 10

Improved:

- Support for selecting multiple event types when setting search criteria in System Log Query and Behavior Log Query

Changed:

- Database for storing system settings and logs changed from 1 overall database to 1 database file per day in order to avoid large file size



GV-Recording Server / Video Gateway V1.2.2 2013-09-11

New:

- Support for Windows 8 and Windows Server 2012
- Support for exporting System Analysis Report in PDF format
- Support for GV-SD200 in dual streams

Fixed:

- Inability to access Camera List in E-map after changing the database storage path from the GV-Recording Server icon in system tray
- Failure to record to another hard disk in the storage group when the current hard disk is not functioning normally
- Failure to apply Enable Streaming setting to the current camera after selecting the Apply All function and then restarting the GV-Recording Server
- Failure to access live view from GV-Recording Server using Matrix
- Occasional system abnormality after repeatedly connecting and disconnecting with devices
- Occasional system instability when changing the storage path of devices in passive connection mode
- Inability to play back video events using V8.5.7.0 Remote ViewLog

Changed:

- Keep day of system log and recorded files extended to 120 days



GV-Recording Server / Video Gateway V1.2.0 2012-02-26

New:

- Support for motion detection in third-party IP cameras
- Enabling and disabling recording of individual cameras
- Support for GPU dewarping of fisheye views
- Support for automatic daily backup of system log
- Support for 15 new languages: Arabic / Bulgarian / Dutch / Finnish / Greek / Indonesian / Lithuanian / Norwegian / Persian / Romanian / Slovakian / Slovenian / Swedish / Thai / Turkish

Fixed:

- Failure for GV-GIS to receive live view when multiple GV-Video Server or GV-Compact DVR are set to the same GIS ID and password
- Inability for IP cameras in active connection mode to save GPS data
- Incorrect display of GV-GIS status icon when the source device is disconnected from GV-Recording Server
- Display problem with live view from GV-VS02A
- Failure to translate user interface to some languages
- Inability to send e-mail notification to multiple e-mail accounts
- Incorrect display of status icon when video from GV-Video Server is lost
- Failure to apply recording policy to all channels after clicking Apply All
- Inability to watch live view using Quick Time in Windows Server 2008 R2
- Occasional failure of GV-Video Gateway to transmit video to GV-Control Center matrix
- Display problem with device list of Remote ViewLog where the order of the devices does not follow the device list in Camera Connection Information

Improved:

- Support for setting minimum time interval between each e-mail notification
- Support for recording from stream 1 or stream 2
- Requiring login to start / stop GV-Recording Server service and access overall settings
- Support for receiving from stream 1 or stream 2 only
- Support for dual streaming of video from Vivotek cameras



Changed:

- Support for 0-port USB dongle
- Added camera "Display Name" and "Stream" information to Client Connection Information
- Changed "Device Name" to "Platform" under Client Connection Information
- Replaced "Host Name" and "Camera Name" with "Display Name" under Camera Connection Information
- Updated Google Maps API version to V3

GV-Recording Server / Video Gateway V1.1.1 2012-07-11

Fixed:

- Memory usage increase when recording upon motion for a prolonged period of time
- Failure to record upon motion when frame rate of the IP device is set to 6 fps or below
- Stability issue when continues to record upon motion
- Occasional Internet Explorer crash when accessing large number of channels through Multi Windows for a prolonged period of time

Changed:

- Google Maps API version updated to match Google Maps server update



GV-Recording Server / Video Gateway V1.1.0 2012-01-18

Fixed:

- Duplicated events displayed in Remote ViewLog
- Incorrect display of Single Player options that are in non-English languages
- Failure to update recording policy displayed in Camera Connection Information page after policy is modified
- Occasional failure to play back events when searching more than 7 days of events in Advanced Query and Remote ViewLog
- Occasional failure to transmit video to clients when many cameras are simultaneously deleted
- Incorrect display of Multi Windows view when accessing more than 4 cameras in 2x2 display or 16 cameras in 4x4 display
- Occasional failure to connect to cameras when switched to Multi Windows view
- Memory usage increase when Arecont Vision camera continues to disconnect and reconnect
- Failure to automatically reconnect after repeated disconnection of IP devices
- System instability after repeated disconnection of IP devices

Improved:

- Added quick event search to specify a time period before and after a time point in Remote Playback
- Added new camera status and disk error pop-up message to signal recording failure
- Added notification for hard disk removal and recording failure

Modified:

- Changed maximum length of motion detection recording from 10 seconds to the user-defined maximum video length
- Cameras not pre-selected when opening Remote Playback page instead of all cameras selected by default
- Changed minimum size of recycle threshold from 1.4 GB to 8GB



GV-Recording Server / Video Gateway V1.0.2 2011-08-23

Fixed:

- System instability with Sandy Bridge chipsets
- System instability under CPU power-saving mode

GV-Recording Server / Video Gateway V1.0.1 2011-06-28

Fixed:

- Failure to save changes to GV-Video Gateway settings
- Motion blur in recorded video
- Data only saved to the first hard disk when multiple hard disks are added to one storage group
- Occasional failure to change storage path if the storage path has been set previously
- Occasional failure to list recorded video in Remote ViewLog