



Contents

Version 4.1.0 2022-08-29	2
Version 4.0.1 2021-09-01	3
Version 4.0.0 2021-08-23	3
Version 3.8.0A 2022-07-06	7
Version 3.8.0 2020-09-22	7
Version 3.7.0 2020-04-23	7
Version 3.6.0 2019-07-22	8
Version 3.5.1 2018-12-07	10
Version 3.5.0 2017-12-07	11
Version 3.4.0 2016-12-02	13
Version 3.3.0 2015-07-23	15
Version 3.2.0 2014-12-31	16
Version 3.1.2 2014-05-07	17
Version 3.1.1 2013-11-25	17
Version 3.1.0 2013-06-24	18
Version 3.0.3 2012-10-30	19
Version 3.0.0 2012-04-23	21



GV-Control Center Version History

Version 4.1.0 2022-08-29

New:

- Support for new UA-IP camera models:
 - UA-B580F3
 - UA-R500F2
 - UA-R560F2
 - UA-R580F2
 - UA-R800F2
- Support for new UA-SNVR models:
 - UA-SNVRL810-P
 - UA-SNVR1620-P
- Support for new UA-HD DVR models:
 - UA-XVL810
 - UA-XVL1610
 - UA-XVR810
- Support for GV-IP camera models:
 - GV-BLFC5800
 - GV-EBFC5800
 - GV-FER5702
 - GV-PBL8800
 - GV-PDR8800
 - GV-PTZ5810-IR
 - GV-SD4834-IR/ SD4825-IR
 - GV-TDR8805
 - GV-TFD4800
- Support for GV-SNVR1612 (V1.01 or later)
- Auto login function on GV-Authentication Server added



- AI Watch function added to access AI events from the following IP devices / software:
 - AI-capable UA-IP cameras that are connected to UA-SNVR models
 - GV-VMS
- Support for Windows 11

Fixed:

- Failure to export recordings using the Save as AVI function when assigning a folder with Chinese character naming as a storage path
- Issue of bigger text overlay on the videos, created by the Save as AVI function of the Remote ViewLog, in split exported files
- Chances of blurry channels when connecting both GV-NVR / GV-VMS and IP cameras to the VMD (Video Motion Detection) window

Modified:

- Redundant audio files removed

Version 4.0.1 2021-09-01

Fixed:

- Issue of GV-USB dongle

Version 4.0.0 2021-08-23

Note: To upgrade to V4.0.0 or later, a purchased initial license is required to start GV-Control Center software.

New:

- Support for Windows Server 2016 / 2019
- Software license management support
- Support for input and output devices from GV-ABL / ADR / EBD / TDR / TFD / TVD series
- Support for AES encrypted video streams of GV-IP cameras, except for the following models:
 - GV-IP Speed Dome series
 - GV-ABL / ADR / AVD / EBD / TBL / TDR / TVD series
 - GV-FD8700-FR / VD8700 / VR360
 - GV-QSD series
 - GV-QFER series



- Support for SIP protocol for 2-way audio communication (dial out only)
- Support for GV-ASManager software for access control event monitoring and playback
Support for GV-Live Streaming mobile app for connecting to the built-in cameras of Android / iOS mobile devices
- Support for GV-VD8700 camera through GV-VMS to send face recognition events to GV-Control Center for event monitoring and VMD (Video Motion Detection) application
- Support for GV-AI FR software to send face recognition events to GV-Control Center for event monitoring and VMD (Video Motion Detection) application
- Support for GV-EBD8800 / EBD8813 / TBL8804 / TBL8810 / TVD8810 through GV-VMS to send AI events (Intrusion, Enter Area, Leave Area, Cross Line) for VMD (Video Motion Detection) application
- Support for Bookmark
- Support for Storyline
- Support for 3D E-Map display
- Support for GV-Remote ViewLog V2
- Support for GV-Desktop to lock up the Windows desktop while launching a customized GV-Desktop

Fixed:

- Inability to perform Audio Broadcast onto the following GV-IP camera models: GV-ABL / ADR / AVD / EBD / TBL / TDR / TVD series (Patch V3.8.0.1)
- Failure of POS text overlay when switching to a 1-CH division with main stream on the Matrix View (Patch V3.8.0.2) (In V4.0, no more the term Matrix View, which has been integrated to Live View)
- CPU overloading when opening multiple divisions with fisheye dewarping channels on the Matrix View (Patch V3.8.0.2) (In V4.0, no more the term Matrix View, which has been integrated to Live View)
- Failure of the snapshot function in Instant Player (Single Player) (Patch V3.8.0.3)
- Failure of fisheye dewarping through Remote ViewLog (Patch V3.8.0.3)
- Chances of no alert sound when the input events are triggered in Remote E-Map (Patch V3.8.0.6)
- Inability for Remote ViewLog, when enabled from the Video/Audio Log option on the Matrix View, to correctly display the selected channel (Patch V3.8.0.6) (In V4.0, no more the term Matrix View, which has been integrated to Live View)



- Problem of the functions not working for GV-ASManager connected through Remote E-Map (Patch V3.8.0.6)
 - Failure to unlock the door when selecting the Unlock option
 - Failure to display the camera live view by selecting the camera or upon door events with the “AS Event popup camera” function enabled
- Issue of displaying the POS data of GV-VMS on the live view of GV-Control Center even though the Live Text Overlay option is disabled in the GV-VMS (Patch V3.8.0.7)
- Failure to save video recordings in MPEG4 codec using the Save as AVI function through Remote ViewLog (Patch V3.8.0.8)
- Preset names misplaced and the present function not able to be set when using GV-SD200
- Failure to display camera views on the VMD window if a space was entered behind the host name
- Chances of cameras disappearing from the host list after restart if any of the camera names contained the symbol “(“ or “)”

Modified:

- User interfaces enhanced and renovated
- System Log enhanced and renovated
- Support for automatically connecting to the defined GV-Video Wall server and its layouts upon GV-Control Center startup
- Support for defining stream 1 or stream 2 from GV-Recording Server
- PTZ Control option added to the Account Setup to define PTZ accessibility for different users
- Support for the double password function to execute Remote ViewLog
- Support for face recognition events triggered from GV-VMS and GV-AI FR, for VMD application (Video Motion Detection)
- Support for Contact Info for noting the clients’ contact information
- Other Windows users authorized to run GV-Control Center software
- Support for display the camera icons in yellow (stop), green (monitoring), and red (recording), in Video Wall
- Improved password requirements
- Support for guiding users to create passwords for the following IP camera models, without default passwords, upon connecting:
 - GV-ABL / ADR / AVD / EBD / TBL / TDR / TVD Series
 - GV-SD2722-IR / SD3732-IR



- Prompted guidance added to notify the users to create login credentials before connecting to newly-purchased GV-IP cameras
- Support for displaying dewarped views of selected Mode under GV-Fisheye camera host
- Remote ViewLog set to change the time format of videos saved in avi format to that of Windows operating system



Version 3.8.0A 2022-07-06

Modified:

- Redundant audio files removed

Version 3.8.0 2020-09-22

New:

- Support for adding GV-IP Decoder Box for assigning and remote displaying of connected IP devices

Fixed:

- Inability to access Single View on IO Panel
- Inability for the IO Panel to connect to more than one host at a time
- Inability to access Single View of cameras connected via ONVIF
- Displaying only one camera channel in Remote ViewLog when accessed on Matrix that contained images of GV-Recording Server
- Chances of taking prolonged periods of time to start due to excess loading time of PTZ-related files

Changed:

- Audio codec changed to MP3
- Copyright notices added to the Installer and accessible within the software directory

Version 3.7.0 2020-04-23

New:

- Support for 256 channels from GV-Recording Server V2.0
- Support for double password function on GV-Remote ViewLog V2
- Support for GV-SV48000

Fixed:

- Prolonged or frozen reconnection with ONVIF devices, when disconnection occurred, caused by some ONVIF devices being disconnected beforehand
- Chances of the size of single live view window reduced each time when being reopened, after fixing the window to a specific size



- On Matrix View, inability to switch to sub stream of the cameras from GV-Recording Server when the cameras reconnect to GV-Recording Server with channel 1 being unassigned
- On Matrix View, inability to play back ongoing recordings from GV-VMS

Version 3.6.0 2019-07-22

New:

- Support for new IP devices:
 - Box Camera for Face Detection (GV-BX2700-FD / BX4700-FD / BX8700-FD)
 - Bullet IP Camera (GV-ABL2703 series / ABL4703 / TBL4710 / TBL8710)
 - Bullet IP Camera for Face Detection (GV-BL8714-FD)
 - Fisheye Camera (GV-FER5701)
 - Fixed IP Dome for Face Recognition (GV-FD8700-FR)
 - Mini Fixed Rugged IP Dome (GV-ADR2702 / ADR4702 / TDR2700 / TDR4700)
 - Motorized IP Dome for Face Detection (GV-MD8710-FD)
 - Target Eyeball Dome (GV-EBD8700)
 - Vandal Proof Dome (GV-TVD4710 / TVD8710)
 - Virtual Reality IP Camera (GV-VR360)
- Support for the dewarped view of GV-VR360 on Live View and Matrix View
- Support for two-way audio through ONVIF protocol
- Support for two-way audio between local GV-Control Center and GV-VMS
- Support for GV-Remote ViewLog V2 with the following new features:
 - AES encryption to secure videos exported in AVI format and during playback
 - Camera names shown on the bottom-left corner of the camera playback screen
- Disconnected List to display all the disconnected cameras from Live View, Matrix View and Video Wall
- Support for keeping I/O Central Panel to be always on top of the screen (Patch V3.5.1.2)
- Preset Set function supported in PTZ panel of Live View, Matrix View and Video Wall
- Display of cameras' monitoring/recording status on Video Wall
- Pop-up view upon video analysis events supported in the VMD of Video Wall
- GV-Joystick V2 support for PTZ control on Live View



Fixed:

- Chances of error messages “Invalid Arguments” or “Encounter an improper argument” popping up (Patch V3.5.1.2)
- Chances of system error after enabling both Qview and Camera Scan on the enhanced layout in Matrix View for a prolonged period of time (Patch V3.5.1.2)
- Chances of image freeze when setting a H.265 channel to single view in Matrix View
- Matrix View not opening when the applied Startup Group contains space in its name
- Disconnection of RTSP channels when applied to Matrix Startup Group (Patch V3.5.1.5)
- Disconnection of RTSP channels in Matrix View due to lengthy RTSP commands (Patch V3.5.1.5)
- Distortion of images when applied to both corridor and PIP modes in Matrix View
- Images of the selected channel disappearing from its original monitor when deactivating it from Zoom Window in Video Wall using GV-Keyboard
- Malfunction of the VMD in Video Wall with a warning message of Video Analysis functions not selected
- Audio lost when connected to GV-PPTZ14021-SD / 14031-SD
- Abnormal image display of connected GV-FER5701 when fisheye dewarping is enabled
- Host List UI freeze occurred when Power User or User is set for auto login with limited access to the Host List and then switching the account to Administrator
- Sorting not working properly in Group List when separate cameras, instead of a host, are dragged onto the list
- Chances of system failure when applied the Search Host function
- Stuttering playback when applying playback speed X32 to GV-Remote ViewLog
- Issue of system not operating on Windows 10 V1803 or later when “Beta: Use Unicode UTF-8 for worldwide language support” on the operating Windows being enabled

Improved:

- Minimizing the Keyboard & Joystick UI to Windows notification area once one device is connected successfully
- Export options simplified to two categories only, Preference and Account settings
- Duplicating current configuration settings to Power User and User accounts
- Invoking the computer alarm upon each motion detection in VMD (Video Motion Detection)



- Installation process of any program aborted when codec registration fails and “Cancel” is selected on the warning message

Changed:

- Disabling Windows hibernation upon system startup
- End of support for Windows 7 and Server 2008 R2

Version 3.5.1 2018-12-07

New:

- Ability to duplicate the current configuration settings to other Power Users and Users
- Compliance with the European Union’s General Data Protection Regulation (GDPR)
- Support for new IP devices
 - Bullet IP Camera (GV-ABL2702 / ABL4712 / ABL8712)
 - Vandal Proof Dome (GV-AVD2700 / AVD4710 / AVD8710)
 - Target Eyeball Dome (GV- EBD8711)
 - IP Speed Dome (GV-SD2301 V2 / SD2411 V2)

Fixed:

- E-map data unable to be exported properly to another PC and therefore failing to respond correctly on the Remote E-Map of that PC due to missing E-map data from the backup settings
- Image freeze on Matrix View when one of fisheye dewarped cameras connected to GV-Control Center via GV-NVR / VMS is disconnected and reconnected
- Image freeze on Matrix View when multiple fisheye dewarped channels from GV-NVR / VMS are disconnected and reconnected simultaneously
- Flickering of images on Matrix View when IP cameras are connected to GV-Control Center through RTSP protocol
- Unauthorized access given to User accounts to configure Matrix Startup
- 5- to 20-second response delay of GV-Remote ViewLog when exiting more than five hosts in the created group after playing them back under narrowband network environment
- Image freezing issues with H.265 encoded video content after switching to main stream
- Cameras not displayed in the created group upon restarting GV-Control Center if the group name contains certain Chinese characters
- Unrecognized camera images with a 704 x 480 resolution through RTSP / ONVIF protocol



- Matrix View's inability to reflect the updated group settings
- Possible failure of Matrix View due to decoder and memory compatibility issues

Version 3.5.0 2017-12-07

New:

- Support for GV-PPTZ7300
- Support for connecting with GV-I/O Box 4E
- Support for GPU decoding on the 7th Generation Kaby Lake platform
- Support for GPU decoding to be performed on both the on-board and external VGA cards on Video Wall
- Access right of Instant Play added to Account Setup
- Ability to restore the default main window layout
- Camera names to be searchable in the Host List or Group List
- Support for the Audio function on the Live View with GV-SNVR hosts
- Support for dual streaming of cameras connected through ONVIF on Single Live View, Matrix View or Video Wall
- Choice of 1-division layout added to the VMD window
- Display of pop-up live views upon motion detection on the VMD window of Video Wall
- Video Wall server to be accessed by multiple users simultaneously while the Administrator has the highest access level among all other user accounts
- Multicast feature to perform video broadcast with GV-VMS V17.1
- AES encryption to secure data and video playback transmission with GV-VMS V17.1

Fixed:

- Only one camera being displayed in the Host List of Video Motion Detection (VMD)
- I/O connection status of Standard I/O List not corresponding to that of Advanced I/O List in the I/O Central Panel
- Image freeze on Matrix View when using Camera Scan in 6-channel division with over 12 channels
- Unrecognized camera images with a 704 x 480 resolution through RTSP protocol on Matrix View
- Black screen error after repeatedly switching camera streams on Matrix



- Long loading time issue with Matrix
- Flipped camera images shown after applying the Text overlay or Heat Map settings and Stream 2 setting to the resolution of 640 x 608 under 6-channel division on Matrix View when connecting to GV-VMS
- Flickering of images on the Matrix due to GV-Keyboard disconnecting from the system
- Error message of “Codec Error” in Live View or Single View or image freeze on Matrix View or Video Wall when Fisheye cameras are connected to GV-Control Center via GV-DVR / NVR / VMS
- Live view freezing on Video Wall when IP cameras are directly connected to GV-Control Center through RTSP protocol
- Failure to activate Fisheye dewarping beyond 17 channels on Video Wall
- Black screen shown on the preview settings of Fisheye when connecting to fisheye cameras from GV-NVR on Video Wall
- Mouse pointer moving upward after activating a channel of the PTZ camera on Video Wall
- Video Wall Server incapable of being uninstalled from Control Panel
- Black screen error when using Video Wall Remote Desktop Service
- Blank screen shown on the E-map Editor window and Remote E-Map window where e-map data cannot be retrieved
- E-Map data unable to refresh automatically on the E-Map Editor after restarting Control Center Service on GV-VMS
- Last column of the access rights going blank on Authentication Center’s Account Management
- Live view of the group in the GV-Control Center’s Group List not closed immediately after the same group is deleted from the Authentication Center
- Latest user account settings edited from Authentication Center’s Account Management not applied immediately to GV-Control Center
- Inability to access backup video events from Remote ViewLog through EZViewlog500
- Events after 23:00 missing in the event list when retrieving recordings of more than 1 day from GV-SNVR using GV-Control Center’s Remote ViewLog
- Problem with inter-stream switching on dewarped fisheye images when connecting to GV-VMS
- Disconnection problem when IP cameras connected to GV-Control Center through RTSP protocol are dragged to the Scan Window
- Issues with access rights available for unauthorized users



- Failure to display the results of the Search Host window when the results consist of Simplified Chinese names for GV-IP cameras with firmware above V3.0
- Possible failure of GV-Control Center or no camera images being displayed due to decoder and memory compatibility issues
- Loading problem caused by creating too many hosts or groups on GV-Control Center
- Unnecessary consumption of the system's capacity because GV-Control Center automatically switches to main stream instead of sub stream when using 3x3 layout
- Error message "An installation support file could not be installed" that occurred when uninstalling GV-Control Center on the original Windows 10 Edition Version 1703

Changed:

- Color change in the monitoring status of GV-DVR / NVR / VMS V17.1 hosts on the Live View and Matrix windows

Version 3.4.0 2016-12-02

New:

- Support for Microsoft Windows 10
- Support for GV-SD2322-IR
- Support for GV-VS2400 and GV-VS2420
- Support for H.265 codec and GPU decoding of H.265
- Support for smart streaming
- Support for dual streaming of GV-Fisheye Camera
- Support for dual-stream when using ONVIF protocol
- Support for saving the current live view layout and camera assignment to the Favorite list
- Support for importing and exporting live view layout
- Support for fixing the size of single live view window
- Support for push-to-talk on multi-channel live view
- Support for configuring account privileges for accessing live view
- QView Display which enables full-screen projection of single live view of GV-Control Center onto a separate monitor
- Support for displaying Heat Map data from GV-VMS on live view
- Support for displaying live video of third-party IP devices from GV-VMS without license during the trial period of GV-VMS
- Support for playing back video at a slower or faster speed in Instant Play
- Support for playing back MPEG4 files recorded by GV-NAS Systems in ViewLog



- Support for manually typing the IP address or hostname of the NAS Server
- Support for connecting to multiple GV-Authentication Servers
- Support for applying the login account of a GV-Authentication Server to all connected GV-Authentication Servers
- Support for moving the selected map up or down the map list in E-map Editor
- Support for changing the property of the view zone on Remote E-map
- Support for live view popup from GV-ASManager on Remote E-map
- Support for setting polygonal area for I/O icon on Remote E-map
- Support for locking the I/O icons on I/O Control Panel
- Support for triggering the camera live views of different hosts upon input trigger on I/O Central Panel
- Support for exporting Account and Layout Setup settings when backing up system configuration
- Option added to start mcamctrl.exe from the main screen of GV-Control Center instead of from the program folder

Fixed:

- Inability to connect to Authentication Server
- Incorrectly translated text in Japanese interface
- Error message after starting monitoring for all devices in Matrix if there are both GV-SNVR channels and GV-VMS/DVR/NVR channels in the Group List
- Possible Matrix instability when connecting to cameras with D1 or VGA resolution
- Problem with displaying dewarped fisheye image in a Matrix Scan Window
- Possibility of Video Wall instability when a GV-FE3403 is dewarped into Quad View in Video Wall and connected by Matrix at the same time
- Matrix instability when dewarping more than 10 fisheye cameras into Quad View
- Problem with Zoom functions in PTZ Control Panel of Bullet Cameras with motorized lens
- Inability to apply image alignment settings when connecting to fisheye cameras using ONVIF protocols
- Incorrectly displaying speed as 0 when playing back videos stored on GV-System with GPS data
- Occasional blue camera view when playing back recordings in Instant Play
- Possible failure to pop up live view of cameras under VMD Group upon I/O trigger if multiple GV-I/O Boxes are connected to the host GV-VMS / DVR / NVR
- Incorrect display of I/O event date in E-map when the triggered GV-I/O Box is directly connected to the GV-Control Center
- Possibility of incorrect icon position in E-map window when the interface is in a right-to-left language (e.g. Arabic)



- Program instability after repeatedly adjusting the order and layers of the items in Group List over a prolonged period of time
- Problem with function keys and ViewLog button when managing GV-Control Center using GV-Keyboard V3
- Problem with Autorun when Windows Starts function in embedded operating systems

Changed:

- Settings for Remote Authentication Setup grayed out for Power User and User accounts under Host List by ID
- Personalizing specific matrix view startup for each user account

Version 3.3.0 2015-07-23

New:

- New user interface icons
- Support for GV-SNVR0400F / 1600 firmware V1.1 or later
- Support for corridor-mode image rotation
- Support for GV-ASManager version 4.3 to monitor doors and vehicle lanes in Remote E-Map

Fixed:

- Failure to back up files using Remote ViewLog player
- Failure of privilege settings for cameras and audios when using Remote ViewLog player

Improved:

- I/O Central Panel: the number of camera views triggered by one input device increased from 1 to 4
- Matrix: Privilege setting interface
- Authentication Center: Video Wall access privilege available now
- Authentication Center: Synchronization of grouping cameras between Auth Center and Control Center



Version 3.2.0 2014-12-31

New:

- Central account and access right management of multiple GV-Control Center using the Authentication Center program
- Support for GV-VMS version 14.1
- Quick access buttons for enabling and disabling monitoring of all cameras on Live View Window (only for GV-IP Devices, GV-VMS and GV-System) and the status is indicated by the device name bar on each channel
- Virtual PTZ tour for monitoring important spots on Single Live View, Live View Window, Matrix and Video Wall (only for GV-Fisheye cameras)
- User-selectable network card for host searching (if more than one network card is installed)
- Remote playback of videos from NAS

Fixed:

- Access to PTZ panel on Video Wall

Improved:

- Audio functionality on Single Live Views when triggered by an input devices on I/O Central Panel where only one camera's audio function can be enabled when more than two Single Live View windows are opened
- The maximum number of channels joined for a Panorama view from 32 to 64
- Matrix functionality where
 - settings on fisheye dewarping are automatically saved
 - cameras' monitoring status is indicated by the color of the device name bar
 - The main window where the logged-in username is indicated at bottom right
- Video Wall
 - Size adjustment of multiple channels on a layout to specified width and height
 - Size extension of a channel to full-monitor by double-clicking the channel on a layout template
 - Displayed Web page (of a Web Window) which is operable on Video Wall
 - Scan Window display setting where the window can be fixed proportionally to its original resolution using the Fixed Ratio function



Version 3.1.2 2014-05-07

New:

- GV-Joystick V2 and GV-Keyboard V3 support on Video Wall for control of PTZ cameras, Zoom Window and Scan Window

Fixed:

- System failure caused by computer overload on the Video Wall
- Failure of an input triggering a camera when the camera is also assigned to other input devices

Improved:

- Support for switch between Focus In / Focus Out and Open Iris / Close Iris functions using GV-Keyboard V3 on Matrix View

Version 3.1.1 2013-11-25

New:

- Support for icon change on remote E-Map
- Support for instant playback of recordings from GV-Recording Server (V1230 or later)
- Support for third-party fisheye dewarping - Support for Intel Haswell CPU for GPU decoding

Improved:

- Dewarpped fisheye view which is no longer restricted to the size of the monitor and can fill the size of the assigned Video Wall



Version 3.1.0 2013-06-24

New:

- Support for Windows 8 (32-bit and 64-bit) and Windows Server 2012 (64-bit)
- Support for batch functions for managing mass number of GV IP devices
- Support for import and export of system settings

Video Wall:

- Remote desktop display on Video Wall to display a customized view region of a remote desktop
- Recording playback on Video Wall to play back up to 16 recordings using the Remote ViewLog player or Windows Media player
- Web page display on Video Wall where up to 16 web pages can be displayed
- Remote version update of Video Wall servers

Improved:

- Support for captions on Video Wall
- Camera display on Matrix in which the Control Center automatically attempts to reconnect to lost channels that have been disconnected due to delayed streaming
- Playback of Remote E-Map events on Instant Play window on Control Center's main window
- GPU decoding efficiency and reduced memory usage by GV-Control Center

Changed:

- Blurry display of a camera when it is switched from multi-channel division to full screen on Matrix
- Ineffective audio broadcast setting in which the host can still receive audio input when audio broadcast is disabled for the host
- Possible frozen Audio Broadcast interface when a mass number of hosts, using domain name for connection, disconnect from Control Center at the same time
- Possible blank display of a remote desktop on Control Center when the remote server's screen resolution is set as 1366 x 768



Version 3.0.3 2012-10-30

New:

- Support for dewarped live view on third-party fisheye cameras on Single Live View, Matrix and Video Wall
- Support for multiple Administrator, Power User and User accounts with customizable access rights

Fixed:

- Panorama
 - Support for Panorama Views using live views that do not have overlapped areas (but of the same resolution)
- Single Live View
 - Support for recording playback from the Single Live View window
- Live View Window
 - A Favorite Screen Division button to provide quick access to a preferred screen division setting
 - Support for three display modes which include full monitor display, proportional display and fit-the-window display
- Remote E-Map
 - Live view position which can now be displayed on Video Wall or on Live View window
 - Alert signal with the blinking of a predefined area on E-Map when the associated input is triggered
 - Visual illustration of camera surveillance zones
 - E-Map Editor window where the floor plan can be displayed in different sizes using the Zoom In, Zoom Out, Fit to Screen and Actual Size buttons on the toolbar
 - E-Map window where I/O and motion events can be played back from the Host Information dialog box



- Video Wall
 - Live view display proportional to its source video
 - Support for Wide Angle Lens Dewarping with which distorted live views can be adjusted
- Matrix
 - Control of Users and Power Users' access right to Group folders
- Audio
 - Audio communication where the operator can engage in two-way communications with a selected host
- I/O Central Panel
 - I/O Central Panel window where the inputs can be clicked to instantly access live view, host information and to play back I/O events

Changed:

- Hardware requirement in which the Advanced Video Process functions (Defog, Panorama and Video Stabilizer) no longer requires a dongle



Version 3.0.0 2012-04-23

New:

- New user interface
- Support for 15 new languages: Arabic, Bulgarian, Dutch, Finland, Greek, Indonesian, Lithuanian, Norwegian, Persian, Romanian, Slovakian, Slovenian, Sweden, Thai and Turkish
- Support for 11 new GeoVision models and 8 new third-party IP camera models

GeoVision IP Camera

Box Camera	GV-BX140DW
Wireless Cube Camera	GV-CBW120/220
Fisheye Rugged Camera	GV-FER520/521
Mini Fixed Rugged Dome	GV-MDR120 / 220 / 320 / 520
Mini Fixed Dome	GV-MFD140
Speed Dome Camera	GV-SD220

Third-Party IP Camera

ACTi	KCM5211
	KCM5311
LG	LSW2010F-P
	LW345-FP
Panasonic	DG-SP304V
	DG-SF334
Sony	SNC-ER580
	SNC-ER521

- Video Wall feature which allows for image display on multiple monitors
- Host Search feature in which third-party IP devices that support PSIA or ONVIF can be detected
- Application Position feature which is a visual tool for arranging application windows on GV-Control Center interface
- 8 interface color themes



Fixed:

- Matrix
 - Broken image under the internet

- E-Map
 - Possible failure of Previous and Next buttons on the E-Map window
 - Possible failure of signaling motion and I/O trigger events on E-Map

Improved:

- Automatic loading of last Audio Broadcast window settings when the function is started
- Adjustable levels of Video attributes which are now increased to 100
- Enhanced smoothness of object tracking in Fisheye view
- 180 degree Fisheye view image in which the height can be optionally set longer when the Camera Position is set to "Wall Mount"
- Support for Matrix Switch feature when access from GV-Keyboard with which a function key can be set up to switch to the next, previous or a designated Matrix View
- Configurable display duration for temperature and I/O trigger popup on VMD window

Changed:

- Firmware naming upgraded from V8530 to the current V3.0
- Wording "Critical temperature" to "Critical Internal Temperature"
- End of support for IP Matrix and Multi Screens