

## GeoVision V8.5 Release Notes

### New:

- Main System
  - Support for new GV-Video Capture Cards: GV-600B, GV-650B, GV-800B, GV-900A and GV-4008A
  - AAC 16 kHz / 16 bit audio codec
  - Object tracking in fisheye view
  - Support for recording in standard type of H.264, MPEG4 and JPEG codec
  - Live view buffer and frame rate control
  - Wide Angle Lens Dewarping
  - Support for new GeoVision IP devices: GV-BL120D, GV-BL130D, GV-BL220D, GV-BL320D, GV-BX120DW, GV-BX130D, GV-BX520D, GV-CB120, GV-CB220, GV-FD120D, GV-FD130D, GV-FD220D, GV-FD320D, GV-FE420 / 421, GV-FE520 / 521, GV-MFD120, GV-MFD130, GV-MFD220, GV-MFD320, GV-MFD520, GV-VD120D, GV-VD220D, GV-VD320D, GV-Compact DVR V3 (4CH), GV-Compact DVR V3 (8CH) and GV-VS04H
  - Support for ACTi TCM-7811
  - Support for more Arecont Vision IP cameras: AV10005, AV2825, AV1325, AV5125DN, AV5115, AV3115 and AV3125
  - Support for more AXIS IP cameras: M3113 and P5532
  - Support for more D-Link IP cameras: DCS-2102, DCS-3410 and DCS-3430
  - Support for HUNT IP cameras: HLC-15M, HLC-81M and HLC-84M
  - Support for more Pelco IP cameras: D5118, IM10C10 and IX10DN
  - Support for Samsung SNB-3000
  - Support for Sony SNC-CH120
  - Support for TAKEX IP cameras (only for Japan market): NCC-130P, NBC-130P and NSC-130
- ViewLog / Single Player
  - Support for saving dewarped fisheye view in AVI format
  - Wide Angle Lens Dewarping
- Authentication Server
  - Support for Windows Active Directory
- Control Center
  - Multiple Screen with which a video wall can be established
- GV-GIS
  - Three recording modes available for Mobile Hosts: manual recording, record by event and record upon input trigger
  - User-defined storage groups and recycle settings
- New Application
  - Mobile Server for accessing GV-System using RTSP protocols

## Fixed:

- General
  - System instability with Sandy Bridge chipsets occurred on GV applications required a USB dongle
  - System instability that occurred on GV applications required a USB dongle and under CPU power-saving mode
- Main System
  - Failure to display Object Tracking / Zoom In Object setup page for COP (15-CD55W) Pelco D
  - Inability to detect PTZ functions of some IP cameras when multiple PTZ IP cameras are connected
  - Delay when moving the PTZ camera vertically using remote applications
  - Problems with PTZ function of Samsung SPD-1600
  - Pause when controlling Samsung SCC-641 / 643s PTZ functions using GV-Joystick
  - Failure to display camera view of Arecont Vision AV8180
  - Failure to display camera view of Pelco Spectra IV
  - Failure to display camera view of Canon VB-C60B
  - GV-System failure when several MOBOTIX M12D are connected
  - Failure to display Panasonic HCM-715, VIVOTEK FD7132 / IP7330 and ACTi ACD-2100 in Model drop-down list when adding a camera
  - GV-System failure when 2 Arecont Vision AV8000 series cameras are added and any channel becomes disconnected
  - GV-System restart when accessing Arecont Vision AV5100 live view on GV-System through Control Center
  - GV-System failure when recording more than 20 IP cameras in MPEG4 through RTSP protocol
  - GV-System failure when pressing Cancel button right after clicking Test Mail Account in e-mail server setup
  - Problem with on-screen LED panel of Media Man Tools in English version
  - Advanced I/O panel failure after changing mode when the mode schedule is enabled
- ViewLog
  - Address book error when a second host cannot be detected after clicking the Update button
  - Backup failure if the backup folder name is changed when backing up GV-VS02 using Remote ViewLog
  - Failure to merge multiple events when events are selected with keyboard
  - Failure to apply MDB filter when searching POS data using Remote ViewLog
  - Problem with privacy mask or text overlay when playing video recorded by codec version earlier than V8.4
  - Failure to play back video in 800 x 608 resolution
- Multi View Viewer
  - Failure to display actual size image from IP camera hosts in full screen
- Center V2
  - Center V2 failure when the Defog and PIP functions are enabled together and the image size is changed from Actual Size to Small Size
  - Failure of connecting Center V2 Server to GV-System V8.3 or earlier versions
- Control Center
  - Control Center failure under matrix view while holding GV-Joystick all the way to the end on GV-PTZ010D and GV-PT110D channels
  - Failure to Instant Playback under matrix view

- Failure of flickering icon on E-Map when motion events are detected on IP Camera hosts
- Matrix view display issue in which the images are displayed repeatedly while switching divisions under dual streams
- Message mistake such that ID and Password are indicated to be incorrect when in fact the Control Center attempts to connect to a GV-System that is not configured for the White List
- Backup Server
  - Failure to save recording files to the next recording location when the current recording location is full

**Improved:**

- Main System
  - Enhanced H.264 decoding and support for GPU decoding
  - Support for configuration change without stopping recording
  - Added display ratio adjustment for fisheye view
  - Support for connection with POS devices using OPOS and TCP/IP protocol
  - Added advanced video attributes adjustment for GV-IP cameras
  - Automatic setup of IP devices within an IP range
  - Support for PTZ functions through ONVIF
  - Added environmental change filter to reduce false alarm in Advanced Motion Detection
  - Added sensitivity adjustment in Face Detection
  - Added noise tolerance adjustment in Object Index and Face Detection
  - Added snapshot frequency for Video Snapshot
  - Support for dual stream in GV-IP Speed Dome
  - Added auto iris to PTZ control panel for GV-IP Speed Dome
- ViewLog
  - Enhanced multi-channel playback to provide higher frame rates
  - Added Direct Merge to save videos in AVI format at a faster speed
  - Added face mask function to detect and blur human faces for privacy purposes
  - Support for backup to blu-ray disc using OS-burning
  - Display of average vehicle speed when playing back video recorded by GV-Compact DVR V3
- Center V2
  - Quick insertion of subscriber name and ID to e-mail and SMS notification messages
  - Event category tabs on the main window (only for Pro version)
  - A configurable category tab on the main window, showing the events customized for the tab (only for Pro version)
  - Alert level feature with which events of different alert levels are distinguished by color (only for Pro version)
  - Support for GV-I/O Boxes of Ethernet module connected to the Center V2 Server through the network
  - Image size adjustment on the EZ player window with which source images can be adjusted to fit the EZ player window
  - Support for Storage Group, and variable recycle size which increases when the number of connected channels increases
  - Wide Angle Lens Dewarping for correcting image distortion
- Dispatch Server

- Manual dispatch of subscribers to any online Center V2 Servers
- Support for automatic distribution of a subscriber to a user-defined Center V2 Server whenever this server is online
- VSM
  - Device tree, showing subscribers, their devices and status on the main window
  - A configurable category tab on the main window, showing the events customized for the tab
  - Alert level feature with which events of different alert levels are distinguished by color on the main window
  - Temperature alarm to notify the operator when the subscriber (most GV-IP Cameras and GV-System with GV-3008 Card) has reached or exceeded the specified temperature
  - Notification messages for a lost or undetectable device, recycling of GV-System recordings, login change of GV-System subscribers, and POS connection status
- Control Center
  - Live view display on VMD window when an input is triggered and/or a specified temperature is reached or exceeded
  - Wide Angle Lens Dewarping for correcting image distortion
  - Search feature which queries for the events occurred at DVR hosts under the criteria defined
  - User-configurable monitor display position for each matrix
- Backup Server
  - Recycle settings for Backup Server independent from those for GV-System
- iPod / iPad Application
  - GV-Eye HD V1.0 and GV-Eye now supports 1.3 megapixel live view

Changed:

- Main System
  - Removal of H.264 V1 codec
- ViewLog
  - Replaced Geo MPEG4 and MPEG4 codec options with Geo H.264 V2 and WMV9 when saving video in AVI format