# GV-VMS Version History

## Version 20.0

**New:**

- Support for up to 256 channels, including 64 free channels for GV-IP devices.
- Support for built-in face recognition engine for face enrollment and recognition on the local GV-VMS
- AI Query to filter AI and PVD events by cameras, time range, facial recognition, event types, person attributes, and vehicle attributes
- Transmission of metadata from the following cameras to the local GV-VMS or GV-Cloud VMS for AI Event Search, enabling event searches based on people or vehicle attributes: GV-GBL4900, GBL4911, GBL12811, GDR4900, GEB4900, GEBF4911, and GVD4910
- Support for AI events from Hanwha (XND-C6083RV, PND-A6081RV), Milesight, and Uniview cameras
- Support for face detection events from GV-G Series (GV-Gxxxxx) and GV-R Series (GV-Rxxxxx) cameras
- AI event setup remotely on GV-VMS for AI-capable GeoVision IP cameras
- Motion detection setup remotely on GV-VMS for GeoVision IP cameras
- Customizable event colors on the timeline
- Support for Smart PVD Motion Search, which looks for people and vehicle motion in videos based on specified regions of interest
- Scheduling support for ViewLog's video backup
- More feature support for GV-IP Speakers:
    - Scheduled audio playback
    - AI event-triggered audio playback
    - Motion-triggered audio playback
    - .mp3 audio file supported
- Support for fisheye camera dual-stream recording
- Support for the 16-division display of GV-Decoder Box Optimal and GV-Display116 to be assigned with the desired channels of GV-VMS for remote display
- Support for two-way audio communication between GV-VMS camera channels and the GV-Cloud VMS platform (using the WS player)
- Support for RTSP over SSL (under Mobile Service)
- Support for the following devices:
    - GV-3D People Counter V3 to receive the people count data
    - GV-EBDP8800

- o GV-GBL12811 / GBLF2802 / GBLF4802 / GBLN4800 / GDR2801 / GDRF4800 / GEBF4802 / GEBN4800 / GFER12800 / GFER6900 / GPTZ4810
- o GV-LPR2812-DL
- o GV-RMS32810
- o GV-TBL2718 / TBLP8800
- o GV-TMS8800 / TMS20811
- o GV-TVD2712
- o UA-XVL1611

**Improved:**

- User interfaces and operations optimized and streamlined, including re-layout of the main screen, instant playback on the main screen without switching to another app, enlarged preview video, recategorizing functions, and more
- A command added to the Fast Key Lock function: press Alt + P + "Preset Num" to move a PTZ camera to a preset location
- The main screen allowed to be resized and repositioned by dragging freely
- Support for GPU decoding of up to 8 MP with multiple NVIDIA graphics cards

**Modified:**

- AI Event Table (under System Log) replaced by the new Event List on the main screen
- Video analysis functions removed, including Object Index, Defog, Stabilizer, Counter/Intrusion Alarm Setting, Crowd Detection, Advanced Unattended Object Detection, Advanced Missing Object Detection, Face Count, and Heat Map
- Media Man Tools removed
- User Interfaces and images not affected by Windows' display scaling change
- AI Event Storage Setting split from System Log Setting. Now accessible via ViewLog > Configure
- Automatic frame rate adjustment to 15 fps for more than 32 and up to 64 channels, and to 7 fps for more than 64 channels
- No more support for Bandwidth Control
- No more support for GV-SD Card Sync Utility
- No more support for Media Man Tools

**Note:** Currently, GV-Center V2 only supports the first 64 channels from GV-VMS V20.