Comparison Table of GV-VMS and GV-DVR / NVR

		GV-VMS	GV-DVR / NVR
Software Interface			
		General Information	
Live View UI		Fixed windows	
Theme Color		Light / black style	Silver (metal) style
Supported Languages		22 languages	31 languages
Supported OS	**32-bit**	Not supported	Windows 7 / 8 / 8.1 / 10 / Server 2008
	64-bit	Win 7 / 8 / 8.1 / 10 / Server 2008 R2 / Server 2012 R2 / Server 2016	Windows 7 / 8 / 8.1 / 10 / Server 2008 R2 / Server 2012 R2
Note: GV-VMS V18.1 or later is only supported by Windows 10 / Server 2016 or later.			
Supported Database (Event Log)		Microsoft Office Access, Microsoft SQL	Microsoft Office Access
Webcam Server Support		O	
Supported Devices		• GV-IP Devices • 3rd party IP cameras (26 brands) • ONVIF, PSIA, RTSP protocols	
Video Capture Cards		Not supported	O (Supports analog cameras)
Free License		32 ch of GV-IP Devices	
Maximum License	**GV-IP Devices**	GV-VMS Pro: Up to 64 ch GV-VMS: Up to 32 ch	Up to 32 ch
	3rd party IP Cameras	1 to 64 ch in increments of 1 ch	1 to 32 ch in increments of 2 ch
Trial License	**3rd party IP Cameras**	16 channels	Not supported
Note: GV-VMS V18.1 or later is a paid software and does not offer any free or trial licenses.			
		Monitoring	
Multi-Screen Support		O (Through layout)	O (Through Digital Matrix)
Layout		• Default: 8, 10, 13, 17, 33 ch • 1 x 1 ~ 10 x 10 live view grids • Customizable layout • GV-Decoder Box for remote monitor display [3]	1, 4, 6, 8, 9, 10, 12, 16, 25, 32 ch

Layout Scan Function		O	Not supported
Duplicating Layout		O	Not supported
Drag and Drop Support		O	Not supported
GPU Decoding	**Intel GPU**	O	O
	External NVIDIA graphics cards	O	Not supported
H.265 GPU decoding		O	O
H.265 Codec		O	O
On-Demand (Dual Stream)		O	O
Service Mode		O	Not supported
Supported Screen Resolutions		1024 x 768 or above (Supports 4k / 2k resolution)	800 x 600, 1024 x 768, 1280 x 1024, 1680 x 1050, 1600 x 1200, 1920 x 1080, 1280 x 800, 1920 x 1080, 1440 x 900
Motion Detection		O (Sensitivity: 1~10)	
Video Analytics		Object Index, Privacy Mask, Defog, Stabilizer, Intruder, Counter, Crowd Detection, Advanced Unattended Object, Advanced Scene Change, Advanced Missing Object, Face Count, Face Detection, Face Search, Text Overlay Face Recognition [3], Face Detection by Camera [3], Face Search [3], 3D People Counting and Heat Map are only supported by GV-VMS	
Image Orientation For Corridor Scenes		O	Not supported
Connection Lost / Video Lost Detection		O	
Storyline		O	Not supported
E-Map		O (Camera View, I/O Alarm)	
System Log		O	
Account Management		Up to 1,000 accounts (Supervisor / Power User / User / Guest)	
I/O Device Control		O	
Notification	**E-Mail Alert**	O	
	I/O Alarm	O	
	Computer Alarm	O	
	SMS Alert	Not supported	O
	SNMP Protocol	O	Not supported
PTZ Control		O (PTZ control panel, keyboard / joystick)	
Fisheye Support		O (fisheye dewarping, auto pan, preset functions, object tracking)	
Smart Streaming		O	Not supported

Dual Streaming of GV-Fisheye Camera		O	Not supported
Two-Way Audio		O	
System Idle Protection		O	
POS Solution		O	
		Recording and Playback	
Recording	**Function**	O (post/pre-recording, digital watermark)	
	Video Clip	1 – 5 min	
	Storage Group	24 groups	16 groups
Video Playback	**Max. Channels**	64	16
	Video Timeline	O	Not supported
	Audio Timeline	O	Not supported
	Mark/Unmark recycle	O	
Displaying Object Search Results in a Timeline		O	Not supported
Bookmarking	**Live View**	O	Not supported
	Playback	O	Not supported
Instant Playback		O (10 sec / 30 sec / 1 min / 5 min)	
Recording Schedule		O	
Merge Clips & Save as AVI	**Full frame**	O	
	Key frame	O	Not supported
Daylight Saving Time (DST)		O	
Remote ViewLog		O	
Event Backup		O	
		Remote Monitoring Software	
Web Browsers		O (IE / Safar / Firefox / Chrome)	
GV-Eye for Android / iOS		O	
GV-Eye Connection by QR Code		O [3]	Not supported
GV-Control Center		O	
GV-CMS		O	
GV-Failover / Redundant Server		O [1]	O
GV-Backup Center		O	
GV-Mobile Server		O	
GV-Edge Recording Manager	**Windows**	O	
	Mac	O	Not supported

	Software & Utility	
GV-Web Report	O [2]	O
GV-ASManager with LPR Plugin	O [2]	O
GV-Authentication Server	O	
GV-Bandwidth Control	O	
GV-Backup Viewer	Not supported	O
GV-Dynamic DNS V2	O	
E-Map Server	O	
Fast Backup & Restore (FBR)	O	
GV-IP Device Utility	O	
GV-Local DDNS	Not supported	O
GV-Multi View	Not supported	O
GV-Multicast	Not supported	O
GV-MultiLang Tool	O	
GV-SetLanguage	O	
GV-Mcamctrl Utility	O	
GV-Remote ViewLog	O	
GV-Remote E-Map	O	
GV-SMS Server	Not supported	O
GV-SD Card Sync Utility	O	
GV-Live Streaming	O [3]	O
Media Man Tool	O	
Report Generator	O [3]	O

Note:

1. GV-VMS is only supported by GV-Failover / Redundant Server V1.1.0.0 or later.
2. GV-VMS is only supported by GV-Web Report V2.2.6.0 and GV-ASManager with LPR Plugin V4.3.5.0 or later.
3. These features / functions are only available on GV-VMS V18.1 or later, a paid version of GV-VMS.
4. All specifications are subject to change without notice.