





GV-VMS V17 and V18 Comparison

		GV-VMS V17.x	GV-VMS V18.x
Software Interface			
General Information			
Live View UI		Fixed windows	
Theme Color		Light / Black style	
Supported Language		22 languages	
OS	64-bit	64-bit Windows 8 / 8.1 / 10 / 11 / Server 2012 R2 / Server 2016 / Server 2019	
Supported Database (Event Log)		Microsoft Office Access, Microsoft SQL	
Webcam Server Support		O	
Supported Devices		<ul style="list-style-type: none"> • GV-IP devices • 3rd party IP cameras (26 brands) • ONVIF, PSIA, RTSP protocols 	
Free License		32 ch of GV-IP Devices	N/A
Maximum License	GV-IP Device	GV-VMS Pro: Up to 64 ch GV-VMS: Up to 32 ch	
	3rd party IP Camera	1 to 64 ch in increments of 1 ch	
Trial License	3rd party IP Camera	16 ch	N/A
Multi-Screen Support		O (through the Layout function)	
Layout		<ul style="list-style-type: none"> • 1 x 1 ~ 10 x 10 live view grids • Customizable layout • GV-Decoder Box for remote monitor display 	
GPU Decoding	Intel GPU	O	
	External NVIDIA Graphics Card	O	
H.265 GPU Decoding		O	
H.265 Codec		O	
On-Demand (Dual Stream)		O	
Service Mode		O	
Supported Screen Resolution		1024 x 768 or above (Support 4K)	



Display of POS transactions only (no live view) on any of screen divisions	Not supported	O
Motion Detection	O (Sensitivity: 1~10)	
Smart Motion Search	Not supported	O
PVD Motion Detection	Not supported	O (Sensitivity: 1~5)
Video Analytics	Object Index, Privacy Mask, Defog, Stabilizer, Intruder, Counter, Crowd Detection, Advanced Unattended Object, Advanced Scene Change, Advanced Missing Object, Face Count, Text Overlay, 3D People Counting, Heat Map	
Face Recognition	GV-VD8700	GV-VD8700 (camera), GV-AI FR (SW)
Face Search	Not supported	O
Face Manager	Not supported	O
Face ID	Not supported	O
Face List	Not supported	O
IPCVA (AI Events)	Not supported	Intrusion, Cross Line, Leave Area, Enter Area, People Count, Loitering, Face Detection, Crowd Detection, Flame Detection, 3 rd party Events
E-Map	O (Camera View, I/O Alarm, Face Recognition)	
System Log	Monitor Table, POS Table, CMS Table	Monitor Table, POS Table, CMS Table, AI Event Table
Advanced System Log	Monitoring, Login, System, Counter, Merger, Delete, Backup, I/O, Notifications, Playback, CMS, POS	Monitoring, Login, System, Counter, Merger, Delete, Backup, I/O, Notifications, Playback, CMS, POS, AI Events, AI Counter
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
	SNMP Protocol	O
PTZ Control	O (PTZ Control Panel, Keyboard, Joystick)	
Fisheye Support	O (Fisheye Dewarping, Auto Pan, Presets, Object Tracking)	
Smart Streaming	O	
Two-Way Audio	O	
SIP Server (Dial-Out only)	Not supported	O
POS Solution	O	

Note: All specifications are subject to change without notice.