


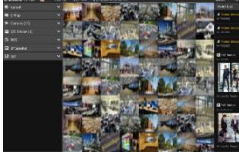




GV-NVR vs. GV-VMS V17, V18, and V20

Software	GV-NVR (Multicam Digital Surveillance System)	GV-VMS V17	GV-VMS V18	GV-VMS V20
Software Interface				
Max Number of Channels	32 ch	32 ch	64 ch	256 ch
Free License	32 ch of GV-IP Devices	32 ch of GV-IP Devices	N/A (Fully paid software)	64 ch of GV-IP Devices
Trial License	Not supported	O ¹		
Live View UI	Fixed windows	Fixed windows		Resizable windows
Live View and Playback on one UI	Not supported	Not supported		O
Event List	Not supported	Separate lists: event list + face list (face ID) shown separately		Integrated lists: AI event & face data combined in one list
Theme Color	Silver (metal) style	Light (Default) / Black style		Light / Black (Default) style
Supported Language	31 languages	22 languages		23 languages (Ukrainian added)
OS (64-bit)	Windows 10 / Server 2016	Windows 8 / 8.1 / 10 / 11 / Server 2012 R2 / Server 2016 / Server 2019 / Server 2022	Windows 10 / 11 / Server 2016 / Server 2019 / Server 2022	
Supported Database (Event Log)	Microsoft Office Access	Microsoft Office Access, Microsoft SQL		
Webcam Server Support	O	O		
Supported Devices	<ul style="list-style-type: none"> GV-IP devices 3rd party IP cameras ONVIF, PSIA, RTSP protocols 	<ul style="list-style-type: none"> GV-IP devices 3rd party IP cameras ONVIF, PSIA, RTSP protocols 		



Software		GV-NVR (Multicam Digital Surveillance System)	GV-VMS V17	GV-VMS V18	GV-VMS V20
Multi-Screen Support		O (via Digital Matrix)	O (via the Layout function)		
Layout		1, 4, 6, 8, 9, 10, 12, 16, 25, 32 ch	<ul style="list-style-type: none"> 1 x 1 ~ 10 x 10 live view grids Customizable layout GV-IP Decoder Box for remote monitor display 	<ul style="list-style-type: none"> 1 x 1 ~ 16 x 16 live view grids Customizable layout GV-IP Decoder Box for remote monitor display 	
GPU Decoding	Intel GPU	O	O		
	External NVIDIA Graphics Card	Not supported	O		
H.265 GPU Decoding		O	O		
H.265 Codec		O	O		
On-Demand (Dual Stream)		O	O		
Service Mode		N/A	O		
Supported Screen 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	1024 x 768 or above (4K supported)		
POS transaction display only (no live view) on any screen division		Not supported	Not supported	O	
Motion Detection		O	O		
Smart Motion Search		Not supported	Not supported	O	
Smart PVD Motion Search		Not supported	Not supported		O
PVD Motion Detection		Not supported	Not supported	O	O (requires AI License)



Software	GV-NVR (Multicam Digital Surveillance System)	GV-VMS V17	GV-VMS V18	GV-VMS V20
Video Analytics Events	Object Index, Privacy Mask, Defog, Stabilizer, Intruder, Counter, Crowd Detection, Advanced Unattended Object, Advanced Scene Change, Advanced Missing Object, Face Count, Text Overlay,	Object Index, Privacy Mask, Defog, Stabilizer, Intruder, Counter, Crowd Detection, Advanced Unattended Object, Advanced Scene Change, Advanced Missing Object, Face Count, Text Overlay, GV-3D People Count (from GV-3D People Counter V2), Heat Map		Privacy Mask, Advanced Scene Change, Text Overlay, GV-3D People Count (from GV-3D People Counter V2)
AI Analytics Events with AI-Capable GV IP Cameras	Not supported	Not supported	GV-3D People Count (from GV-3D People Counter V3), Intrusion, Cross Line, Leave Area, Enter Area, Object Count (from AI-capable GV-IP cameras), Loitering, Face Detection, Crowd Detection, Flame Detection, 3rd Party Events	GV-3D People Count (from GV-3D People Counter V3), Intrusion, Cross Line, Leave Area, Enter Area, Object Count (from AI-capable GV-IP cameras), Loitering, Face Detection, Crowd Detection, 3rd Party Events, Missing Object, Tampering Alarm, Abnormal Temperature Detection, Unattended Object, Abnormal Audio Detection, Video Metadata
Face Recognition	Not supported	GV-VD8700 (camera)	GV-VD8700 (camera), GV-AI FR (SW)	GV-VD8700 (camera), GV-AI FR (SW), Built-in face recognition engine (requires AI License)
Face Search	Not supported	Not supported	0	



Software		GV-NVR (Multicam Digital Surveillance System)	GV-VMS V17	GV-VMS V18	GV-VMS V20
Remote Motion Detection Setup		Not supported	Not supported		O
Remote AI Event Setup		Not supported	Not supported		O
E-Map		O (Camera View, I/O Alarm)	O (Camera View, I/O Alarm, Face Recognition)		
Log		Monitor, Login, System, Merge, Delete, Backup, I/O, Notification, Playback, CMS, POS, Counter	Monitor, Login, System, Merge, Delete, Backup, I/O, Notification, Playback, CMS, POS, Counter	Monitor, Login, System, Merge, Delete, Backup, I/O, Notification, Playback, CMS, POS, Counter, AI Events	
AI Query		Not supported	Not supported		O
Account Management		Up to 1,000 accounts	Up to 1,000 accounts		
I/O Device Control		O	O		
Notification	E-Mail Alert	O	O		
	I/O Alarm	O	O		
	Computer Alarm	O	O		
	SNMP Protocol	Not supported	O		
PTZ Control		O (PTZ Control Panel, Keyboard, Joystick)	O (PTZ Control Panel, Keyboard, Joystick)		
Fisheye Support		O (Fisheye Dewarping views on single channel, Auto Pan, Presets, Object Tracking)	O (Fisheye Dewarping views on multiple channels, Auto Pan, Presets, Object Tracking)		
Smart Streaming		Not supported	O		
Two-Way Audio		O	O		
SIP Server (Dial-Out only)		Not supported	Not supported	O	
POS Solution		Max. 16 ch	Max. 32 ch		
IP Speaker	Input Trigger	Not supported	O		
	Motion / PVD	Not supported	Not supported		O
	AI Event	Not supported	Not supported		O

- Note:**
- For details on the licenses, see *License* in the [GV-VMS V17/V18 Datasheet](#) and [GV-VMS V20 Datasheet](#).
 - All specifications are subject to change without notice.