




Contents

Comparison Chart for GV-Video Servers (Part I)	2
Comparison Chart for GV-Video Servers (Part II)	3
Comparison Chart for GV-Video Servers (Part III)	5






Comparison Chart for GV-Video Servers (Part I)

Model		GV-VS11	GV-VS12	GV-VS04H	GV-VS14
					
Video					
Input		1 CH	2 CH	4 CH	
Compression		H.264, MPEG4, MJPEG		H.264	H.264, MJPEG
Frame Rate/Channel		30 fps (NTSC) / 25 fps (PAL)			
Resolution	NTSC HD	N/A			
	NTSC SD	704 x 480, 704 x 480 de-interlace, 352 x 240 for Analog Signal			
	PAL HD	N/A			
	PAL SD	704 x 576, 704 x 576 de-interlace, 352 x 288 for Analog Signal			
Dual Streams		Yes	N/A		Yes
Smart Streaming		N/A			
Audio					
Input		1 CH	2 CH	4 CH	
Compression		G.711		G.723	G.711
Audio Support		One way	Two ways		
Function					
Ethernet		RJ-45, 10/100 Mbps			
Sensor Input / Alarm Output		1 input / 1 output	2 inputs / 2 outputs	4 inputs / 4 outputs	
PTZ		RS-485 +/-			
GPS		N/A	RS-232	UART	
USB		1 port	2 ports		
Wiegand		N/A		Yes	
Buzzer Alarm		N/A		Yes	N/A
PoE		N/A	Yes		N/A
General					
Power	Input	12V, 1.25A	12V, 3A		
	Output	N/A		12V, 1.6A (19.2W Max.)	
Operating Temperature		0°C ~ 50°C / 32°F ~ 122°F	-20 °C ~ 55 °C / -4 °F ~ 131 °F		
Humidity		0 ~ 85% RH (non-condensing)			
Dimensions (L x W x H)		100 x 69 x 40 mm / 3.94 x 2.72 x 1.57 in	123 x 106 x 25 mm / 4.84 x 4.17 x 0.98 in	174 x 145 x 40 mm / 6.85 x 5.71 x 1.57 in	
Weight		0.31 kg / 0.69 lb	0.35 kg / 0.76 lb		0.73 kg / 1.61 lb

Note: All specifications are subject to change without notice.






Comparison Chart for GV-Video Servers (Part II)

Model		GV-VS2420 (AHD)	GV-VS2400 (TVI)	GV-VS2401 (Combo)
				
Video				
Input		4 CH		
Compression		H.264		
Signal Type		AHD / CVBS	TVI / CVBS	Combo / CVBS
Frame Rate/Channel		30 fps (NTSC) / 25 fps (PAL)		18 fps at 3 MP; 15 fps at 4 MP; 12 fps at 5 MP; 30 fps (NTSC) / 25 fps (PAL) at 2 MP * GV-VS21600 supports max 8 channels at 3 MP, 4 MP and 5 MP.
Resolution	NTSC HD	Main Stream: 1920 x 1080, 1280 x 720, 640 x 360, 448 x 252 Sub Stream: 640 x 360, 448 x 252 for AHD Signal	Main Stream: 1920 x 1080, 1280 x 720, 640 x 360, 448 x 252 Sub Stream: 640 x 360, 448 x 252 for TVI Signal	Main Stream: 2592 x 1944, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 720, 640 x 360, 448 x 252 Sub Stream: 640 x 360, 448 x 252 for Combo Signal
	NTSC SD	Main Stream: 960 x 480, 720 x 480, 480 x 240, 360 x 240 Sub Stream: 480 x 240, 360 x 240 for Analog Signal	Main Stream: 960 x 480, 720 x 480, 480 x 240, 360 x 240 Sub Stream: 480 x 240, 360 x 240 for Analog Signal	Main Stream: 960 x 480, 720 x 480, 480 x 240, 360 x 240 Sub Stream: 480 x 240, 360 x 240 for Analog Signal
	PAL HD	Main Stream: 1920 x 1080, 1280 x 720, 640 x 360, 448 x 252 Sub Stream: 640 x 360, 448 x 252 for AHD Signal	Main Stream: 1920 x 1080, 1280 x 720, 640 x 360, 448 x 252 Sub Stream: 640 x 360, 448 x 252 for TVI Signal	Main Stream: 2592 x 1944, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 720, 640 x 360, 448 x 252 Sub Stream: 640 x 360, 448 x 252 for Combo Signal
	PAL SD	Main Stream: 960 x 576, 720 x 576, 480 x 288, 360 x 288 Sub Stream: 480 x 288, 360 x 288 for Analog Signal	Main Stream: 960 x 576, 720 x 576, 480 x 288, 360 x 288 Sub Stream: 480 x 288, 360 x 288 for Analog Signal	Main Stream: 960 x 576, 720 x 576, 480 x 288, 360 x 288 Sub Stream: 480 x 288, 360 x 288 for Analog Signal
Dual Streams		Yes		
Smart Streaming		N/A		Yes
Audio				
Input		1 port, 1 CH		2 ports, 4 CH
Compression		G.711		
Audio Support		Two-way		

Note: For GV-VS2401, the frame rate of the 3 / 4 / 5 MP cameras must also support the specified frame rate in order to display the video stream.







Model	GV-VS2420 (AHD)	GV-VS2400 (TVI)	GV-VS2401 (Combo)
			
Function			
Ethernet	RJ-45, 10/100/1000 Mbps		
Sensor Input / Alarm Output	4 inputs / 4 outputs		
PTZ	RS-485 +/-		
GPS	N/A		
USB	2 ports		
Wiegand	N/A		
Buzzer Alarm	N/A		
PoE	N/A		
General			
Power	Input	12V, 3.0A	
	Output	12V, 1.6A (19.2W Max.)	
Operating Temperature	-20 °C ~ 50 °C / -4 °F ~ 122 °F		
Humidity	0 ~ 85% RH (non-condensing)	0 ~ 90% RH (non-condensing)	
Dimensions (L x W x H)	174 x 145 x 40 mm / 6.85 x 5.71 x 1.57 in		
Weight	0.73 kg / 1.61 lb		





Note: All specifications are subject to change without notice.



Comparison Chart for GV-Video Servers (Part III)

Model	GV-VS2820 (AHD)	GV-VS2800 (TVI)	GV-VS21600 (Combo)	GV-GVS2100 (Combo)
				
Video				
Input	8 CH		16 CH	1 CH
Compression	H.264			H.265, H.265+, H.264, H.264+, MJPEG
Signal Type	AHD / CVBS	TVI / CVBS	Combo / CVBS	TVI / AHD / CVI / CVBS
Frame Rate/Channel	18 fps at 3 MP; 15 fps at 4 MP; 12 fps at 5 MP; 30 fps (NTSC) / 25 fps (PAL) at 2 MP * GV-VS21600 supports max 8 channels at 3 MP, 4 MP and 5 MP.			<ul style="list-style-type: none"> - 20 fps at 2592 x 1944, 20 fps at 2560 x 1440, 20 fps at 1920 x 1080, 20 fps at 1280 x 720, 20 fps at 704 x 480, 20 fps at 352 x 240, 20 fps at 480 x 240 - 30 fps at 1920 x 1080, 30 fps at 1280 x 720, 30 fps at 704 x 480, 30 fps at 352 x 240, 30 fps at 480 x 240 - 25 fps at 1920 x 1080, 25 fps at 1280 x 720, 25 fps at 704 x 480, 25 fps at 352 x 240, 25 fps at 480 x 240
Resolution	NTSC HD	Main Stream: 2592 x 1944, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 720, 640 x 360, 448 x 252 Sub Stream: 640 x 360, 448 x 252 for AHD Signal	Main Stream: 2592 x 1944, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 720, 640 x 360, 448 x 252 Sub Stream: 640 x 360, 448 x 252 for TVI Signal	Main Stream: 2592 x 1944, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 720, 640 x 360, 448 x 252 Sub Stream: 640 x 360, 448 x 252 for Combo Signal
	NTSC SD	Main Stream: 960 x 480, 720 x 480, 480 x 240, 360 x 240 Sub Stream: 480 x 240, 360 x 240 for Analog Signal	Main Stream: 960 x 480, 720 x 480, 480 x 240, 360 x 240 Sub Stream: 480 x 240, 360 x 240 for Analog Signal	Main Stream: 960 x 480, 720 x 480, 480 x 240, 360 x 240 Sub Stream: 480 x 240, 360 x 240 for Analog Signal Main Stream: 2592 x 1944, 2560 x 1440, 1920 x 1080, 1280 x 720, 704 x 480 Sub Stream: 1280 x 720, 704 x 480, 352 x 240 Third Stream: 704 x 480, 480 x 240, 352 x 240



Model		GV-VS2820 (AHD)	GV-VS2800 (TVI)	GV-VS21600 (Combo)	GV-GVS2100 (Combo)
					
Resolution	PAL HD	Main Stream: 2592 x 1944, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 720, 640 x 360, 448 x 252 Sub Stream: 640 x 360, 448 x 252 for AHD Signal	Main Stream: 2592 x 1944, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 720, 640 x 360, 448 x 252 Sub Stream: 640 x 360, 448 x 252 for TVI Signal	Main Stream: 2592 x 1944, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 720, 640 x 360, 448 x 252 Sub Stream: 640 x 360, 448 x 252 for Combo Signal	Main Stream: 2592 x 1944, 2560 x 1440, 1920 x 1080, 1280 x 720, 704 x 480 Sub Stream: 1280 x 720, 704 x 480, 352 x 240 Third Stream: 704 x 480, 480 x 240, 352 x 240
	PAL SD	Main Stream: 960 x 576, 720 x 576, 480 x 288, 360 x 288 Sub Stream: 480 x 288, 360 x 288 for Analog Signal	Main Stream: 960 x 576, 720 x 576, 480 x 288, 360 x 288 Sub Stream: 480 x 288, 360 x 288 for Analog Signal	Main Stream: 960 x 576, 720 x 576, 480 x 288, 360 x 288 Sub Stream: 480 x 288, 360 x 288 for Analog Signal	
Dual Streams			Yes		N/A
Triple Streams			N/A		Yes
Smart Streaming			Yes		N/A
Audio					
Input		4 ports, 8 CH		16 ports, 16 CH	1 port, 1 CH
Compression		G.711			
Audio Support		Two-way capable			
Function					
Ethernet		RJ-45, 10/100/1000 Mbps			RJ-45, 100 Mbps
Sensor Input / Alarm Output		8 inputs / 8 outputs			
PTZ		RS-485 +/-			N/A
GPS		N/A			
USB		2 ports			1 port (USB 2.0, not functional)
Wiegand		N/A			
Buzzer Alarm		N/A			
PoE		N/A			Yes
General					
Power	Input	12V, 3.0A			DC 12 V, 1.2 A / PoE (IEEE 802.3af)
	Output	N/A			DC 12 V, 0.5 A, (Max. 5.5 W)
Operating Temperature		-20 °C ~ 50 °C / -4 °F ~ 122 °F			-30 °C ~ 60 °C (23 °F ~ 122 °F)
Humidity		0 ~ 90% RH (non-condensing)			0% to 95% (no condensation)
Dimensions (L x W x H)		200 x 175 x 40 mm / 7.87 x 6.88 x 1.57 in			108.5 x 87.8 x 28 mm (4.27" x 3.46" x 1.10")
Weight		0.95 kg / 2.09 lb		1.1 kg / 2.42 lb	271.4 g (0.60 lb)

Note:

- For GV-VS2800 / 2820 / 21600, the frame rate of the 3 / 4 / 5 MP cameras must also support the specified frame rate in order to display the video stream.
- All specifications are subject to change without notice.