

# MVG

## Video Gateways for Vehicles



The MVG is SerVision's ground-breaking video gateway for mobile applications. Ideal for deployment in buses, trains, police vans, delivery trucks, and emergency response vehicles, the MVG uses cellular and wireless technologies to stream high-quality live or recorded video from vehicles to remote client devices. Full GPS support allows remote users to locate and track vehicles, while the anti-shock, vibration-resistant chassis ensures reliability on the road. Support for a closed-circuit monitor enables drivers to see what is going on in every corner of the vehicle at a glance, and bi-directional audio capabilities enable them to speak freely with dispatchers and other personnel.



### TECHNICAL SPECIFICATIONS

<b>MODELS</b>		MVG 400, MVG 800
<b>VIDEO INPUT</b>	<b>Standard</b>	PAL/NTSC
	<b>No. of video channels</b>	4 (MVG 400), 8 (MVG 800)
	<b>Resolution</b>	VGA: 640x480(VGA), 320x240(QVGA), 160x120(QSIF) D1/PAL: D1(704x576), CIF(352x288), QCIF(176x144); D1/NTSC: D1(704x480), CIF(352x240), QCIF(176x120)
	<b>Compression</b>	MVG 400: MPEG4 160 QVGA FPS; MVG 800: MPEG4 320 QVGA FPS
	<b>Compressed data rates</b>	9 kbps to 4 Mbps, user configurable
	<b>PTZ control</b>	MVG 400: 2 ports: 1 RS-232 port, 1 RS-485 port; MVG 800: 4 ports: 2 RS-232 port, 2 RS-485 port
	<b>PTZ protocol</b>	Most common protocols
<b>ENCRYPTION</b>		AES-192
<b>AUDIO</b>	<b>Audio channels</b>	MVG 400: 2 inputs: 1 active microphone, 1 passive microphone
		MVG 800: 4 inputs: 2 active microphone, 2 passive microphone
		MVG 400: 2 outputs: 1 internal built-in speaker, 1 external connector
		MVG 800: 4 outputs: 2 internal built-in speaker, 2 external connector
		Bi-directional audio support
<b>VIDEO OUTPUT</b>	<b>Standard</b>	PAL/NTSC
	<b>User Interface</b>	Optional touch screen (supported models only)
<b>COMMUNICATION</b>	<b>Network connectivity</b>	Built-in 10/100 Base-T Ethernet suitable for cable/xDSL Dual USB interface slot for cellular (GPRS/CDMA/UMTS/EDGE/HSDPA/HSPA/HSUPA) and wireless (Wi-Fi) modems
	<b>Maintenance</b>	Web-based configuration
	<b>External network support</b>	Custom Proxy for remote access and video streaming Dynamic DNS support - No-IP, DynDNS, SVDNS (free use of SerVision's SVDNS server is available)
<b>GPS</b>		Internal 12-channel GPS module
<b>RECORDING</b>	<b>Mode</b>	Continuous, event-driven or scheduled
	<b>HD type</b>	SATA interface; option for SSD; Removable HD
	<b>HD size</b>	MVG 400: Default: 2.5", 160GB, (up to 500GB optional) MVG 800: Default: 2.5", 320GB, (up to 1TB optional)
	<b>Storage</b>	1.3GB/day per channel@10fps/128kbps QVGA continuous recording (MPEG)
<b>EVENT HANDLING &amp; OUTPUT</b>	<b>Event type</b>	External sensor input, video motion detection, video loss
	<b>Action type</b>	Local event recording, client notification, SMS, email notification, external activator, AVV (Alarm Video Verification)
	<b>Motion detection</b>	Threshold control, area of interest, exclude areas
<b>I/O</b>	<b>Input channels</b>	MVG 400: 4 Opto-isolated inputs; MVG 800: 8 Opto-isolated inputs Optional external sensor hub for up to 16 additional inputs/outputs
	<b>Output channels</b>	MVG 400: 2 Opto-isolated activators (built-in relay); MVG 800: 4 Opto-isolated activators (built-in relay)
<b>POWER</b>	<b>Voltage input</b>	10-40V DC
	<b>Ignition input</b>	12/24 VDC - Automatic ignition based power on/off and user configurable delayed ignition shutdown
	<b>Voltage output</b>	MVG 400: Provides 12V DC / 500mA for cameras & external equipment MVG 800: Provides 12V DC / 1A for cameras & external equipment
	<b>Max. power consumption</b>	MVG 400: 16W; MVG 800: 29 W
<b>OPERATING ENVIRONMENT</b>	<b>Ambient temperature</b>	0°C - 45°C; 32°F - 113°F; Option for extended temperature: -5°C - 65°C; 23°F - 149°F
	<b>Relative humidity</b>	≤ 85%
<b>PHYSICAL SPEC</b>	<b>Dimensions</b>	MVG 400: 185(W) x 158(D) (181 incl. supports) x 76(H) mm; 7.2"(W) x 6.2"(D) (7.1" incl. supports) x 2.9"(H) MVG 800: 185(W) x 158(D) (181 incl. supports) x 160(H) mm; 7.2"(W) x 6.2"(D) (7.1" incl. supports) x 6.2"(H)
	<b>Weight</b>	MVG 400: 2 kg; 4.4 lbs; MVG 800: 4 kg; 8.8 lbs
<b>CLIENT SOFTWARE</b>		Proprietary software for PC, Web server, PDA & cellphone; Snapshot over Web Optional PC Software for removable HD that enables direct viewing and downloading of recorded video