

# Video Gateways for Vehicles

# MVG



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 casing 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 (SIF), 160x120 (QSIF) D1/PAL: D1 (704x576), CIF (352x288), QCIF (176x144) D1/NTSC: D1 (704x480), CIF (352x240), QCIF (176x120)
	<b>Compression</b>	<b>MVG 400:</b> MPEG4 160 SIF FPS; <b>MVG 800:</b> MPEG4 320 SIF FPS
	<b>Compressed data rates</b>	9 kbps to 4 Mbps, user configurable
	<b>PTZ control</b>	<b>MVG 400:</b> 2 ports: 1 RS-232 port, 1 RS-485 port; <b>MVG 800:</b> 4 ports: 2 RS-232 port, 2 RS-485 port
	<b>PTZ protocol</b>	Most common protocols
<b>AUDIO</b>	<b>Audio channels</b>	<b>MVG 400:</b> 2 inputs: 1 active microphone, 1 passive microphone 2 outputs: 1 internal built-in speaker, 1 external connector <b>MVG 800:</b> 4 inputs: 2 active microphone, 2 passive microphone 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/Wi-Max) 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>	IDE interface; option for an IDE flash disk Removable HD
	<b>HD size</b>	<b>MVG 400:</b> Default: 2.5", 60GB, (up to 250GB coming soon) <b>MVG 800:</b> Default: 2.5", 120GB, (up to 500GB coming soon)
	<b>Storage</b>	3.3GB/day per channel@15fps/320kbps SIF 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>	<b>MVG 400:</b> 4 Opto-isolated inputs; <b>MVG 800:</b> 8 Opto-isolated inputs Optional external sensor hub for up to 16 additional inputs
	<b>Output channels</b>	<b>MVG 400:</b> 2 Opto-isolated activators (built-in relay); <b>MVG 800:</b> 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>	<b>MVG 400:</b> Provides 12V DC / 500mA for cameras & external equipment <b>MVG 800:</b> Provides 12V DC / 1A for cameras & external equipment
	<b>Max. power consumption</b>	<b>MVG 400:</b> 16W; <b>MVG 800:</b> 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>	<b>MVG 400:</b> 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) <b>MVG 800:</b> 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>	<b>MVG 400:</b> 2 kg; 4.4 lbs; <b>MVG 800:</b> 4 kg; 8.8 lbs
<b>CLIENT SOFTWARE</b>		Proprietary software for PC, Web server, PDA & cellphone Snapshot over Web