

# MVG200

## Mobile Video Gateways for Moving Platforms



The MVG 200 is a highly cost-effective two-channel mobile video system. Its compact size, low power consumption, and ruggedized design make it an outstanding surveillance solution for moving platforms, including trains, patrol cars, and taxis, and for remotely located sites that do not have pre-existing cabled infrastructure. The MVG 200 supports the same feature set as the widely-deployed four-channel version except it records data to a removable micro-SD card. Despite its modest dimensions, the MVG 200 has

an extensive list of features: two video inputs, built-in GPS, bi-directional audio, built-in WiFi (for automated wireless backup to the SVControlCenter's storage server), WiFi internet connectivity (via 3G) for passengers (coming soon!), USB support for external cellular modems, support for a closed circuit monitor, and an alarm panel (one dry contact and one relay). The MVG 200 can also be supplied with a G-Force sensor to help fleet managers identify erratic or negligent driving behavior.

**Buses • Semi-Trailers • Taxis • Cash-in-Transit • Emergency Response Vehicles • Traffic Intersections • Trains**



### TECHNICAL SPECIFICATIONS

<b>MODELS</b>		MVG200
<b>VIDEO INPUT</b>	<b>Standard</b>	PAL/NTSC
	<b>No. of video channels</b>	2
	<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>	MPEG4-based: 160 QVGA FPS
	<b>Compressed data rates</b>	9 kbps to 4 Mbps, user configurable
	<b>PTZ control</b>	2 ports: 1 RS-232 port, 1 RS-485 port
	<b>PTZ protocol</b>	Most common protocols
<b>ENCRYPTION</b>		AES-192/256
<b>AUDIO</b>	<b>Audio channels</b>	1 input: 1 active/passive microphone; 2 outputs: 1 internal built-in speaker, 1 external connector
		Bi-directional audio support
<b>VIDEO OUTPUT</b>	<b>Standard</b>	PAL/NTSC
	<b>User Interface</b>	Optional touch screen
<b>COMMUNICATION</b>	<b>Network connectivity</b>	Built-in 10/100 Base-T Ethernet suitable for cable/xDSL; built-in Wi-Fi and USB interface for cellular modems (GPRS/CDMA/UMTS/EDGE/HSDPA/HSPA/HSUPA)
	<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>		12-channel GPS module (internal to antennae)
<b>ACCELEROMETER RECORDING</b>	<b>G-Force Sensor</b>	3-axis 2g - 8g high resolution G-Force sensor (Optional)
	<b>Mode</b>	Continuous, event-driven or scheduled
	<b>Recording media</b>	Micro SD card
	<b>Default SD size</b>	4GB standard, (optional up to 32GB)
<b>EVENT HANDLING &amp; OUTPUT</b>	<b>Storage</b>	1.3GB/day per channel@10fps/128kbps QVGA continuous recording (MPEG)
	<b>Event type</b>	External sensor input, video motion detection, video loss G-Force events: Reckless driving, accidents, etc GPS-based events: Geofencing, Route Deviation, Speed violations
	<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>Input channels</b>	2 Opto-isolated inputs Optional external sensor hub for up to 16 additional inputs/outputs
<b>I/O</b>	<b>Output channels</b>	1 Opto-isolated activator (built-in relay)
	<b>Voltage input</b>	9-36V DC
	<b>Ignition input</b>	12/24 VDC - configurable ignition based power off
	<b>Max. power consumption</b>	12W
<b>OPERATING ENVIRONMENT</b>	<b>Ambient temperature</b>	0°C - 60°C; 32°F - 140°F
	<b>Relative humidity</b>	≤ 85%
<b>PHYSICAL SPEC</b>	<b>Dimensions</b>	154(W) x 107(D) (123 incl. supports) x 55(H) mm; 6"(W) x 4.2"(D) (4.8" incl. supports) x 2.1"(H)
	<b>Weight</b>	0.5 kg; 1.6 lbs
<b>CLIENT SOFTWARE</b>		Proprietary software for PC, Web server, Smart Phones (iPhone, Android, iPad, Symbian etc.); Snapshot over Web Optional PC Software for removable HD that enables direct viewing and downloading of recorded video