

MVG400

Video Gateway for Full-Size Vehicles



The MVG400 is SerVision's award-winning video gateway for mobile applications. Ideal for deployment in buses, trains, police cars, delivery trucks, and emergency response vehicles, the MVG400 uses cellular and wireless technologies to stream high-quality live or recorded video from vehicles to remote client devices. Full GPS support enables advanced geo-fencing functionality, speed detection and live tracking of 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 lets them speak freely with dispatchers and other personnel. Built-in WiFi can be used to create a WiFi Hotspot to provide Internet service to passengers, or to facilitate wireless backup of video stored locally on the MVG400 to the SVControlCenter's storage servers.

TECHNICAL SPECIFICATIONS

MODELS		MVG400
VIDEO INPUT	No. of video channels	4Ch. BNC (PAL/NTSC)
	Resolution	VGA: 640x480(VGA), 320x240(QVGA), 160x120(QSIF) D1/PAL: D1(704x576), CIF(352x288), QCIF(176x144) D1/NTSC: D1(704x480), CIF(352x240), QCIF(176x120)
	Compression	MPEG4-based: 160 QVGA FPS; H.264-based
	Compressed data rates	5 kbps to 4 Mbps, user configurable
	PTZ control	2 ports: 1 RS-232 port, 1 RS-485 port
	PTZ protocol	Most common protocols
VIDEO OUTPUT	No. of video channels	1Ch. BNC (optional touch screen)
ENCRYPTION		AES-192/256
AUDIO	Input	2 inputs: 1 active microphone, 1 passive microphone
	Output	2 outputs (1 internal built-in speaker, 1 external connector) Bi-directional audio support
COMMUNICATION	Ethernet	RJ45 10M/100M; 3 internal network RJ45 ports (LAN)
	WiFi	Built-in module (Client mode for wireless video backup; WiFi Hotspot capabilities)
	Cellular	1 USB interface for cellular modems (GPRS - from 5kbps/CDMA/UMTS/EDGE/HSDPA/HSPA/HSUPA)
	Maintenance	Web-based configuration
	External network support	Custom proxy for remote access and video streaming Dynamic DNS support: No-IP, DynDNS, SVDNS (free use of SerVision's SVDNS server is available) Internal 22-channel GPS module
GPS		
ACCELEROMETER RECORDING	G-Force Sensor	3-axis 2g to 8g high-resolution built-in G-Force sensor
	Mode	Continuous, event-driven, or scheduled
	Recording media	HDD SATA interface; removable HD 2.5", 250GB (up to 1TB optional); option for SSD
	Storage	1.3GB/day per channel@10fps/128kbps QVGA continuous recording (MPEG)
EVENTS	Event type	Sensors: External dry contact inputs, video motion detection, video loss, optional built-in G-Force sensor GPS: Geofencing, route deviation, speed violations
	Action type	Local event recording, client notification, SMS, email notification, external activator, AVV (Alarm Video Verification)
	Motion detection	Threshold control, area of interest, exclude areas
I/O	Input channels	4 opto-isolated inputs or 8 wet-contact inputs (optional)
	Output channels	2 opto-isolated activators (built-in relay) Optional external sensor hub for up to 16 additional inputs/outputs
POWER	Voltage input	10-40V DC
	Ignition input	12/24 VDC, with configurable ignition-based power-off
	Voltage output	Provides 12V DC / 500mA (max) for cameras & external equipment
	Max. power consumption	16W
OPERATING ENVIRONMENT	Ambient temperature	0°C - 45°C; 32°F - 113°F; option for extended temperature range: -5°C - 65°C; 23°F - 149°F
	Relative humidity	≤ 85%
PHYSICAL SPEC	Dimensions	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)
	Weight	2.1 kg; 4.6 lbs
CLIENT SOFTWARE		Proprietary software for PCs, Web server, smartphones (iPhone, Android, iPad, Symbian, etc.), tablets; Snapshot over Web
		Optional software for viewing and downloading recorded video from removable HD