Ser**V**ision
Pioneers in Mobile Video Solutions

MOVING PLATFORMS

REMOTE SITES

TRANSPORTATION

COMMERCIAL & SOHO

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TECHNOLOGIES

SerVision

SerVision IP-Based Security Systems

About SerVision

Established in 2000, SerVision has a world class R&D team with extensive experience in the wireless communications industry. The company invests significant resources in custom-tailoring solutions for large-scale projects. Its team of technicians is always available to provide immediate assistance to customers and to provide on-site support when needed. Based in Jerusalem, Israel, SerVision has offices in USA, Europe, Mexico, and Brazil, and is listed on the London Stock Exchange (AIM).

A global leader in security communication technologies, SerVision Ltd. develops and manufactures advanced and fully integrated video recording and transmission systems for the security and transportation sectors. SerVision's portfolio includes a multi-functional range of Digital Video Recorders (DVRs) with video-streaming capabilities over cabled, wireless, and cellular IP networks, providing the world's best available video transmission for cellular networks and bandwidth- limited environments. SerVision's video gateway systems support a number of highly innovative features including SMS and e-mail notification of sensor-triggered events and remote monitoring of sites from mobile phones, PDAs, and PCs. These functions allow users to monitor their premises from anywhere in the world, at any time, and give them the option to respond in real time to prevent security breaches. Select models support connectivity over GSM, CDMA, and WiFi networks for wireless video transmission, making them fully mobile and ideal for easy transport or installations inside moving platforms. Other advanced features like bi-directional audio, encrypted video transmission, and GPS functionality (for mobile units) are also available.

SerVision's versatile DVR portfolio has been used for a large range of applications in the defense, security, commercial and transportation sectors. Its systems have been installed in or on public buses, security vehicles, trains, construction zones, public utility and commercial sites, international borders, governmental buildings, warehouses, financial institutions, private residences, and more.

SerVision security systems comprise two main components:

- **Video Gateways:** Powerful, standalone and highly modular servers that are installed on-site and are compatible with standard CCTV equipment. These units combine full-featured DVR functionality with state-of-the-art compression and transmission capabilities. A range of models that are optimized for a variety of applications and environments, including large industrial sites, smaller commercial and residential locations, and moving platforms, is available.

- **Client Applications:** Software that is installed on third-party devices - such as desktop or laptop PCs, PDAs, and cellular phones - and is used to download and play live and recorded video from video gateways.

  Connections between video gateways and client applications can be established through a variety of types of IP-based networks - the Internet, cellular networks, LANs, and WLANs - using cable/DSL lines, cellular modems, or standard telephone lines (dial-up modems or ISDN).

All SerVision security systems feature:

- Exceptionally low bandwidth usage for high-quality video transmission

- Video transmission over IP networks

- Remote viewing of live and recorded video via SerVision client applications running on PCs, PDAs, and cellular phones

- Integration of input sensors and output activation sensors

- Event detection via built-in Video Motion Detection (VMD), input sensor, or internal video-lost sensor

- Event notifications via e-mail, SMS, or pop-up alarm

- Remote Pan-Tilt-Zoom (PTZ) control, even from PDAs and mobile phones

- Full integration of audio and video

- Minimal disk usage for recorded video

- Large-capacity hard drive for local storage of recorded video (most models)

- Downloading of video for storage on remote PCs

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

MODELS		MVG 400, MVG 800
VIDEO INPUT	Standard	PAL/NTSC
	No. of video channels	4 (MVG 400), 8 (MVG 800)
	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	MVG 400: MPEG4 160 QVGA FPS; MVG 800: MPEG4 320 QVGA FPS
	Compressed data rates	9 kbps to 4 Mbps, user configurable
	PTZ control	MVG 400: 2 ports: 1 RS-232 port, 1 RS-485 port;
		MVG 800: 4 ports: 2 RS-232 port, 2 RS-485 port
	PTZ protocol	Most common protocols
ENCRYPTION		AES-192
AUDIO	Audio channels	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
VIDEO OUTPUT	Standard	PAL/NTSC
	User Interface	Optional touch screen (supported models only)
COMMUNICATION	Network connectivity	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
	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)
GPS		Internal 12-channel GPS module
RECORDING	Mode	Continuous, event-driven or scheduled
	HD type	SATA interface; option for SSD; Removable HD
	HD size	MVG 400: Default: 2.5", 160GB, (up to 500GB optional)
		MVG 800: Default: 2.5", 320GB, (up to 1TB optional)
	Storage	1.3GB/day per channel@10fps/128kbps QVGA continuous recording (MPEG)
EVENT HANDLING & OUTPUT	Event type	External sensor input, video motion detection, video loss
	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	MVG 400: 4 Opto-isolated inputs; MVG 800: 8 Opto-isolated inputs
		Optional external sensor hub for up to 16 additional inputs/outputs
	Output channels	MVG 400: 2 Opto-isolated activators (built-in relay);
		MVG 800: 4 Opto-isolated activators (built-in relay)
POWER	Voltage input	10-40V DC
	Ignition input	12/24 VDC - Automatic ignition based power on/off and user configurable delayed ignition shutdown
	Voltage output	MVG 400: Provides 12V DC / 500mA for cameras & external equipment
		MVG 800: Provides 12V DC / 1A for cameras & external equipment
	Max. power consumption	MVG 400: 16W; MVG 800: 29 W
OPERATING ENVIRONMENT	Ambient temperature	0°C - 45°C; 32°F - 113°F; Option for extended temperature: -5°C - 65°C; 23°F - 149°F
	Relative humidity	≤ 85%
PHYSICAL SPEC	Dimensions	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) x2.9"(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) x6.2"(H)
	Weight	MVG 400: 2 kg; 4.4 lbs; MVG 800: 4 kg; 8.8 lbs
CLIENT SOFTWARE		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

UVG
Video Gateways for Remote Sites

The UVG 400 is designed for installation at remotely located sites such as parking lots, cellular base stations, international borders and along the perimeter fencing of airport terminals. These low voltage systems support four or eight channels of live and recorded video, as well as bi-directional audio. Although they can be connected to the internet using a standard cable based internet connection, the UVG can also use cellular and wireless (WiFi) networks for streaming high quality video from remote sites to client devices. The UVG is ideal for deployment at any location where cabled internet connections are not readily available, or at fixed sites where a backup cellular connection may be necessary.

TECHNICAL SPECIFICATIONS

MODELS		UVG 400, UVG 800
VIDEO INPUT	**Standard**	PAL/NTSC
	No. of video channels	4 (UVG 400), 8 (UVG 800)
	Resolution	VGA: 640x480 (VGA), 320x240 (QVGA), 160x120 (QSIF)
		D1/PAL: D1 (704x576), CIF (352x288), QCIF (176x144)
		D1/NTSC: D1 (704x480), CIF (352x240), QCIF (176x120)
	Video compression	**UVG 400:** MPEG4 up to 160 QVGA FPS; **UVG 800:** MPEG4 up to 320 QVGA FPS
	Compressed data rates	9 kbps to 4 Mbps, user configurable
	PTZ control	**UVG 400:** 2 ports: 1 RS-232 port, 1 RS-485 port;
		UVG 800: 4 ports: 2 RS-232 port, 2 RS-485 port
	PTZ protocol	Most common protocols
ENCRYPTION		AES-192
AUDIO	**Audio channels**	**UVG 400:** 2 inputs: 1 active microphone, 1 passive microphone;
		2 Outputs: 1 internal built-in speaker, 1 external connector
		UVG 800: 4 inputs: 2 active microphone, 2 passive microphone
		4 Outputs: 2 internal built-in speaker, 2 external connector
		Bi-directional audio support
VIDEO OUTPUT	**Standard**	PAL/NTSC
	User interface	Supplied PS/2 mouse
		Optional touch screen (supported models only)
COMMUNICATION	**Network connectivity**	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
	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)
RECORDING	**Mode**	Continuous, event-driven or scheduled
	HD type	SATA interface
	HD size	Default: 3.5", **UVG 400:** 160GB, up to 1TB (optional); **UVG 800:** 320GB, up to 2TB (optional)
EVENT HANDLING & OUTPUT	**Storage**	1.3GB/day per channel @ 10fps/128kbps QVGA continuous recording
	Event type	External sensor input, video motion detection, video loss
	Action type	Local 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**	**UVG 400:** 4 Opto-isolated inputs; **UVG 800:** 8 Opto-isolated inputs
		Optional external sensor hub for up to 16 additional inputs/outputs
	Output channels	**UVG 400:** 2 Opto-isolated activators; **UVG 800:** 4 Opto-isolated activators
POWER	**Voltage input**	12V DC
	Max. power consumption	**UVG 400:** 17W , **UVG 800:** 30W
OPERATING ENVIRONMENT	**Ambient temperature**	0°C - 45°C; 32°F - 113°F
	Relative humidity	≤ 85%
PHYSICAL SPEC	**Dimensions**	**UVG 400:** 185(W) x 158(D) x 76(H) mm; 7.2" (W) x 6.2"(D) x2.9"(H)
	Dimensions	**UVG 800:** 185(W) x 158(D) x 160(H) mm; 7.2" (W) x 6.2"(D) x6.3"(H)
	Weight	**UVG 400:** 2.1 kg; 4.6 lbs, **UVG 800:** 4.5 kg; 9.9 lbs
CLIENT SOFTWARE		Proprietary software for PC, Web server, PDA & cellphone
		Snapshot over Web

CVG
Compact IP Video Gateway

The CVG is SerVision's most basic video gateway. Its light weight, small dimensions and minimal power consumption make it an ideal choice for securing small sites which require up to two video cameras. Optimized for providing high-quality live video streams over low bandwidths to local and remote users, the CVG offers all of SerVision's advanced video transmission, event detection, notification, and client-access features. A removable SD Card (4-64GB) can record days or weeks of video for viewing in client applications; bi-directional audio support enables remote users to communicate with on-site users; and a sensor and activator can be connected to the unit for expanded event detection and handling.
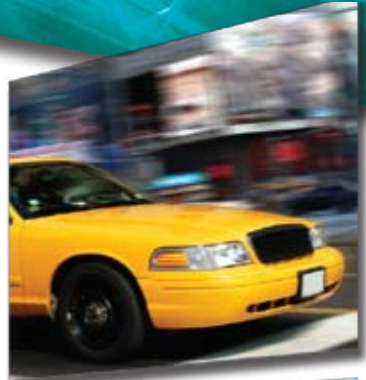
TECHNICAL SPECIFICATIONS

MODELS		CVG
VIDEO INPUT	**Standard**	PAL/NTSC
	No. of video channels	2
	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 up to160SIF fps
		Supports multiple streams & resolutions simultaneously
	Compressed data rates	9 kbps to 4 Mbps, user configurable
	PTZ control	2 ports: 1 RS-232, 1 RS-485 port
	PTZ protocol	Most common protocols
ENCRYPTION		AES-192
AUDIO	**Audio channels**	1 input, 2 output (1 internal & 1 external)
		Bi-directional audio support
VIDEO OUTPUT	**Standard**	PAL/NTSC
	User Interface	Optional touch screen (supported models only)
COMMUNICATION	**Network connectivity**	Built-in 10/100 Base-T Ethernet suitable for cable/xDSL
		Optional external router for USB (GPRS/CDMA/UMTS/EDGE/HSxPA) modems and wireless (Wi-Fi) adapters
	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)
RECORDING	**Mode**	Continuous, event-driven or scheduled
	Recording media	Removable SD Card
	Default SD size	4 GB standard, (optional up to 64 GB)
EVENT HANDLING & OUTPUT	**Storage**	Approx. 1.3 GB/day per channel@10fps/128kbps QVGA continuous recording (MPEG)
	Event type	External sensor input, video motion detection, video loss
	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**	1 Opto-isolated input
		Optional external sensor hub for up to 16 additional inputs/outputs
	Output channels	1 Opto-isolated activator (built-in relay)
POWER	**Voltage input**	12V DC
	Max. power consumption	5W
OPERATING ENVIRONMENT	**Ambient temperature**	0ºC - 60ºC; 32ºF - 140ºF
	Relative humidity	≤ 85%
MECHANICAL SPEC	**Dimensions**	115(W) x 110(D) x 47(H) mm; 4.52" (W) x 4.33"(D) x1.85"(H)
	Weight	300gr; 10.6 oz
CLIENT SOFTWARE		Propietary software for PC, Web server, PDA and cellphone
		Snapshot over Web

CVG-M
Compact Mobile IP Video Gateway

The CVG-M is the perfect remote video surveillance solution for cars, vans and trucks, as well as remotely located sites, allowing users to view live video from any moving platform or location on their handset, PDA or laptop anytime, anywhere. The CVG-M has support for two camera inputs, and uses special compression to transmit and record high quality live video using an internal 3G GSM module. The unit has a removable SD card (4-64 GB) for local recording, as well as built-in GPS for fleet tracking and bi-directional audio for two way communication between on and off-site personnel. It also has one sensor and activator for expanded event detection and handling.

TECHNICAL SPECIFICATIONS

MODELS		CVG-M
VIDEO INPUT	Standard	PAL/NTSC
	No. of video channels	2
	Resolution	VGA: 640x480 (VGA), 320x240 (SIF), 160x120 (QSIF)
		D1/PAL: D1 (704x576), CIF (352x288), QCIF (176x144)
		D1/NTSC: D1 (704x480), CIF (352x240), QCIF (176x120)
	Compression	MPEG4 up to160SIF fps
		Supports multiple streams & resolutions simultaneously
	Compressed data rates	9 kbps to 2 Mbps, user configurable
	PTZ control	2 ports: 1 RS-232, 1 RS-485 port
	PTZ protocol	Most common protocols
ENCRYPTION		AES-192
AUDIO	Audio channels	1 input, 2 output (1 internal & 1 external)
		Bi-directional audio support
VIDEO OUTPUT	Standard	PAL/NTSC
	User Interface	Optional touch screen (supported models only)
COMMUNICATION	Network connectivity	Built-in 10/100 Base-T Ethernet suitable for cable/xDSL
		Built-in 3G/3.5G GSM/UMTS/HSDPA module
	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)
GPS	GPS	Internal 12 channel GPS module
RECORDING	Mode	Continuous, event-driven or scheduled
	Recording media	Removable SD Card
	Default SD size	4 GB standard, (optional up to 64 GB)
EVENT HANDLING & OUTPUT	Storage	Approx. 1.3 GB/day per channel@10fps/128kbps QVGA continuous recording (MPEG)
	Event type	External sensor input, video motion detection, video loss
	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	1 Opto-isolated input
		Optional external sensor hub for up to 16 additional inputs/outputs
	Output channels	1 Opto-isolated activator (built-in relay)
POWER	Voltage input	9-36V
	Ignition Input	12/24 VDC - Automatic ignition based power on/off and user configurable delayed ignition shutdown
	Voltage Output	Provides 12V DC / 250mA for cameras & external equipment
	Max. power consumption	9W
OPERATING ENVIRONMENT	Ambient temperature	0ºC - 60ºC; 32ºF - 140ºF
	Relative humidity	≤ 85%
MECHANICAL SPEC	Dimensions	115(W) x 110(D) x 47(H) mm; 4.52" (W) x 4.33"(D) x1.85"(H)
	Weight	340gr.; 11.2 oz.
CLIENT SOFTWARE		Propietary software for PC, Web server, PDA and cellphone
		Snapshot over Web

HVG
Video Gateways for Offices & Homes

The HVG 400 video gateway is the optimal security system for small businesses and residential sites. These units offer a range of functionality in a compact, cost-effective package that minimizes power consumption. Live and recorded video from the units' four video channels can be viewed in any SerVision client application or on closed-circuit monitors plugged directly into the units. Two-way live voice transmission enables remote users and those on-site to speak with one another in real-time. The HVG 400 can be connected to the internet using a standard cable-based internet connection, and is an ideal security system for monitoring homes, shops and ATM machines.

TECHNICAL SPECIFICATION

MODELS		HVG 400
VIDEO INPUT	Standard	PAL/NTSC
	No. of video channels	4
	Resolution	VGA: 640x480 (VGA), 320x240 (QVGA), 160x120 (QSIF)
		D1/PAL: D1 (704x576), CIF (352x288), QCIF (176x144)
		D1/NTSC: D1 (704x480), CIF (352x240), QCIF (176x120)
	Video compression	MPEG4 up to 160 QVGA frames per second
	Compressed data rates	9 kbps to 4 Mbps, user configurable
	PTZ control	2 ports: 1 RS-232 port, 1 RS-485 port
	PTZ protocol	Most common protocols
ENCRYPTION		AES-192
AUDIO	Audio channels	2 inputs: 1 active microphone, 1 passive microphone
		2 Outputs: 1 internal built-in speaker, 1 external connector
		Bi-directional audio support
VIDEO OUTPUT	Standard	PAL/NTSC
	User interface	Supplied PS/2 mouse
		Optional touch screen (supported models only)
COMMUNICATION	Network connectivity	Built-in 10/100 Base-T Ethernet suitable for cable/xDSL
	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)
RECORDING	Mode	Continuous, event-driven or scheduled
	HD type	IDE interface; option for an IDE flash disk
	HD size	Default: 3.5", 160GB, up to 1 TB (optional)
EVENT HANDLING & OUTPUT	Storage	3.3GB/day per channel @ 15fps/320kbps QVGA continuous recording (MPEG)
	Event type	External sensor input, video motion detection, video loss
	Action type	Local 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	6 Opto-isolated inputs; Optional external sensor hub for up to 16 additional inputs/outputs
	Output channels	2 Opto-isolated activators
POWER	Voltage input	12V DC
	Max. power consumption	12W
OPERATING ENVIRONMENT	Ambient temperature	0ºC - 45ºC; 32ºF - 113ºF
	Relative humidity	≤85%
PHYSICAL SPEC	Dimensions	185(W) x 181(D) x 60(H) mm; 7.2" (W) x 7.1"(D) x2.3"(H)
	Weight	1.7 kg; 3.7 lbs
CLIENT SOFTWARE		Proprietary software for PC, Web server, PDA & cellphone
		Snapshot over Web

Video Gateways for Commercial Sites

The SVG series is Servision's original and most versatile line of video gateway products. Ideal for securing medium to large industrial or commercial sites such as office complexes, factories, public transit terminals, and border crossings, the SVG can stream high-quality live or recorded video to remote PCs, PDAs, and cellular telephones via cable/DSL network connections. Models are available with 4, 8, 12, or 16 video channels. "M" models also support cellular modems and WiFi adaptors; these video gateways can stream video from virtually any location, indoors or out - a remote storage facility, a parking lot, or even a busy traffic intersection - and can be moved from location to location as necessary.

TECHNICAL SPECIFICATIONS

MODELS		SVG 400, SVG 400M, SVG 400-8, SVG 400-8M, SVG 400-12,
		SVG 400-12M, SVG 400-16, SVG 1000
VIDEO INPUT	Standard	PAL/NTSC/SECAM composite video (BNC connector)
	No. of video channels	4 (SVG 400, SVG 400M), 8 (SVG 400-8, SVG 400-8M)
		12 (SVG 400-12, SVG 400-12M), 16 (SVG 400-16, SVG 1000)
	Resolution	640x480 (VGA), 320x240 (QVGA), 160x120 (QSIF)
	Compression	MPEG4
	Compressed data rates	9 kbps to 1 Mbps, user configurable
	PTZ control	2 ports: 1 RS-232/RS-485 port, 1 RS-232 port
	PTZ protocol	Most common protocols
ENCRYPTION		SSL/TLS (AES-128)
WATERMARK		DSA (SHA-1)
COMMUNICATION	Network connectivity	Built-in 10/100 Base-T Ethernet suitable for Cable/xDSL
		Optional: PSTN (phone) modem
		Optional: PCMCIA slot for cellular/wireless modems (SVG 400M)
	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)
RECORDING	Mode	Continuous, event-driven or scheduled
	HD type	Internal
	HD size - SVG 400	3.5", 160GB (4, 8 & 12 ch.), 250 GB (16 ch.) optional: up to 1 TB
	HD size - SVG 1000	3.5", 250GB, optional: up to 2 TB
	Storage	1GB /day per channel @ 10fps/96kbps QVGA continuous recording (MPEG4)
EVENT HANDLING & OUTPUT	Event type	External sensor input, video motion detection, video loss
	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 (External device)	Input channels	6 Opto-isolated inputs
		Optional external sensor hub for up to 16 additional inputs
	Output channels	2 Opto-isolated activators (built-in relay)
POWER	Voltage for SVG 400/1000	110/220V AC
	Max. power consumption	SVG 400: 55W; SVG 1000: 170W
OPERATING ENVIRONMENT	Ambient temperature	5ºC -50ºC; 41ºF -122ºF
	Relative humidity	≤85%
PHYSICAL SPEC	Dimensions: SVG 400	176(W) x 260(D) x 197(H) mm; 6.9" (W) x 10.2"(D) x7.7"(H)
	Dimensions: SVG 1000	482(W) x 495(D) x 90(H) mm; 19" (W) x 19.5"(D) x3.5"(H)
	Weight	SVG 400: 4 kg; 8.8 lbs; SVG 1000: 12.5 kg; 27.5 lbs
CLIENT SOFTWARE		Proprietary software for PC, Web server, PDA & cellphone

Supplementary Products

SVPROXY & SVDistributor

SVProxy is an intermediary server that is sometimes required to relay video and other data between SerVision video gateways and SerVision client applications running on computers or mobile devices. SVProxy is required for remote viewing and downloading of video in special circumstances where direct network connections between video gateways and clients cannot be established. Normally, this occurs when a router or other firewall prevents clients from connecting to the video gateway. This can happen when the video gateway connects to the Internet via cellular modem, and the cellular carrier does not permit direct external access to the system's cellular modem. It may also be the case when the video gateway is located in a private network.

SVDistributor, housed in the same chassis as the SVProxy, is an intermediary server that reduces networking bottlenecks caused by too many simultaneous stream requests from several clients to one gateway, and/or insufficient bandwidth resources. SVDistributor enables up to 1,000 high-quality live video streams (actual number depends on configuration and other variables) from a single SerVision video gateway simultaneously, even when the video gateway transmits the video via cellular modem. SVDistributor may be required when multiple users want to remotely view video from a gateway at the same time without adversely affecting the quality of the other users' video stream.

SVNVR/SVBackup

SVNVR is a powerful server that provides automated backup, storage, and playback of video recorded by SerVision video gateways. It connects to the systems at fixed intervals, downloads all the video that was recorded by the video gateways since the previous download, and stores it on its large-capacity local disks (3TB standard disk capacity).

SVNVR includes support for wireless networking. In mobile environments, this versatile feature can be used to activate downloading of new video recordings in a WiFi zone whenever a gateway comes within range of the SVNVR server. For example, if a fleet of buses is outfitted with SerVision MVG gateways, and an SVNVR is set up in the bus yard's WiFi zone, recorded video can automatically be downloaded from the buses whenever they enter the yard.

Advanced SVBackup software offers synchronized playback of downloaded video from multiple cameras connected to a single video gateway. Playback can be initiated either by selecting a start time or by selecting an event from among those that were detected by the system.

Client Applications

A full selection of client applications is supplied with every SerVision security system so customers can use a wide range of devices - PCs, PDAs, and cellular phones - to view video from their video gateways. All client applications play live and recorded video and support remote control of PTZ cameras. The PC-based client application, called the SVMultiClient, also includes many additional features; it is a powerful tool for monitoring sites remotely, and is suitable for use by individuals and control centers. The MultiClient offers:

• Simultaneous connections to multiple video gateways and up to 144 video streams

• Simultaneous display of up to 16 live and recorded video streams

• Support for 15 different languages

• Simultaneous downloading of multiple events from different gateways/cameras

• Configurable notifications (sirens, pop-ups, or WAV voice notifications) for VMD and sensor-triggered events detected by video gateways

• Configurable automated rotation of the video streams displayed - cycling from camera to camera and/or from one video gateway to another

• Integrated site maps representing the secured area and the corresponding locations of cameras and sensors

• Integrated GPS maps (Google Maps, Microsoft MapPoint, ESRI maps) for tracking mobile video gateways

AVV Functionality

All SerVision gateways come equipped with Alarm Video Verification (AVV) functionality. An extension of the e-mail notification system, AVV gives recipients of e-mail event notifications quick and easy access to video of the events. When AVV is enabled, video gateways can upload full-length video of motion or sensor-triggered events to an AVV storage server. At the same time, the video gateways send e-mail notifications about the events to users. Each e-mail notification includes a snapshot of the first frame of the video clip, so recipients can get a quick grasp of the situation that triggered the notification. Recipients can easily access the complete video clip by clicking a hyperlink in the mail. The clip is then automatically downloaded from the AVV server to the recipient's PC or PDA for playback.