

product overview

SerVision

The Mobile Video Security Monitoring Company

business industrial home corporate



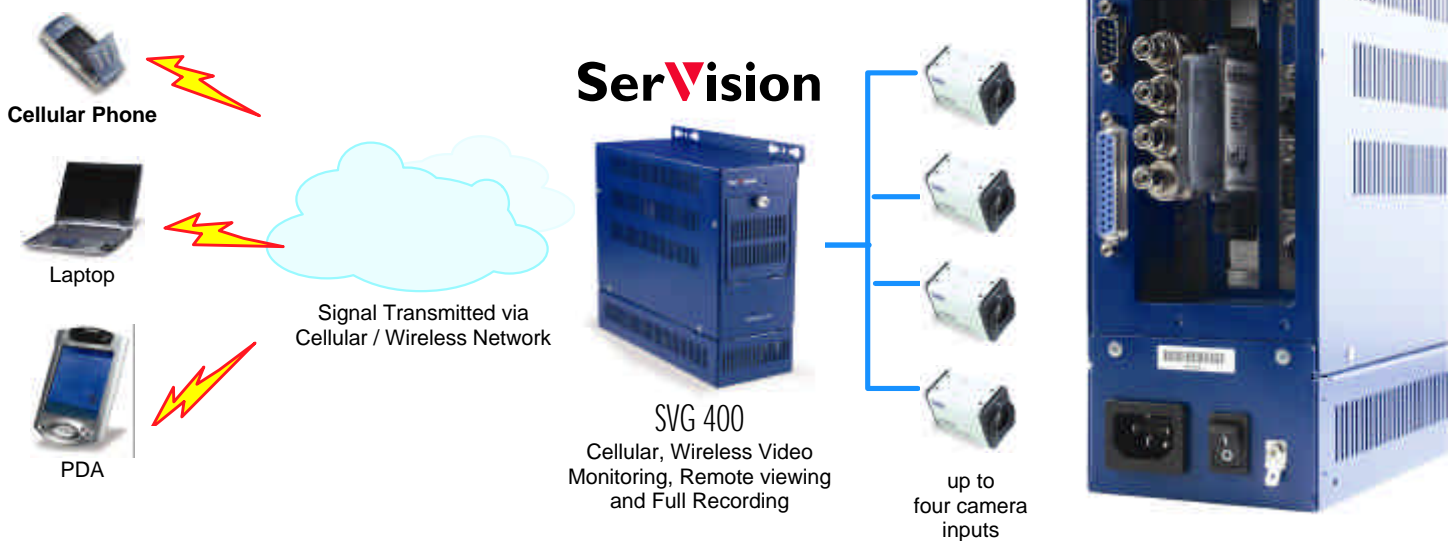
remote video security

specializing in cellular video transmission and management

SerVision's Video Surveillance Solution

SerVision's Cellular and Wireless video gateway series is the first integrated security system to combine security functionality with the highest level of video streaming performance into a single unit. The Gateway video surveillance system supports multiple camera monitoring, full motion detection capability and remote handheld connectivity. It also features stand-alone operation, high quality video recording and fully supports standard PTZ control. The interface can be implemented directly to the sensors via GPIO. Sensors that are connected to a central unit can be monitored by RS232 or RS485.

The SVG series is scalable and can handle from four to 32 standard video cameras connected to a single server. Each video channel has full motion detection capability and alarm triggered video recording. The Gateway also records and displays pre-and post-alarm.

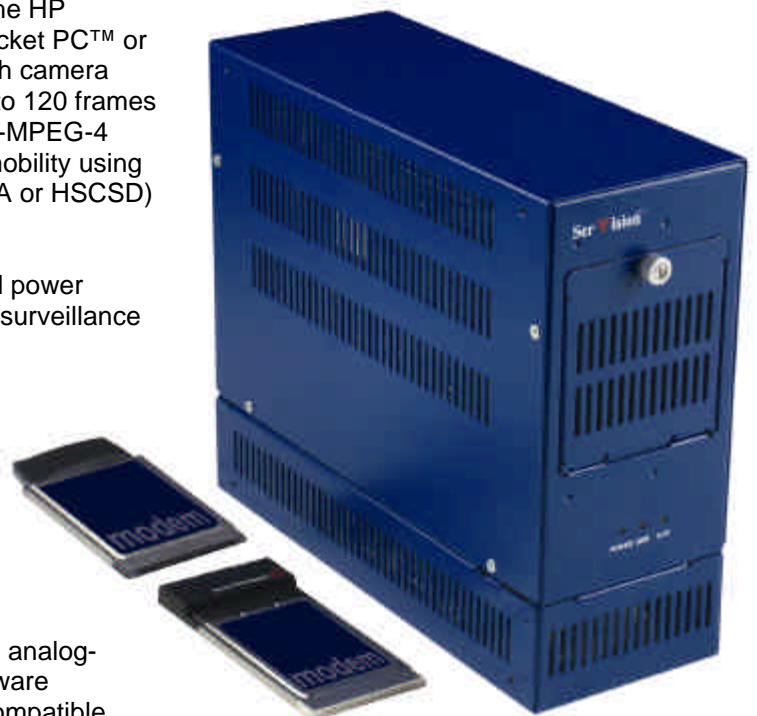


SerVision Video Gateway allows remote camera monitoring using standard handheld devices, such as the Compaq iPaq™, the HP Jornada™, T-Mobile running Microsoft Windows CE or Pocket PC™ or Symbian. The SVG can display high quality video from each camera connected to the system and each system can support up to 120 frames per second (for NTSC) or 100 frames per second (for PAL)-MPEG-4 based video streaming, while allowing complete operator mobility using either a cellular infrastructure connection (i.e. GPRS, CDMA or HSCSD) or standard wireless LAN.

The SerVision Video Gateway is compact, light-weight, and power efficient making it the ideal solution for mobile security and surveillance applications.

Digital Advantage in an Analog World

The SVG Series has been designed to easily integrate with analog-based systems using flexible interfaces and advanced software architecture that ensure fast, hassle-free integration. It is compatible with a wide range of cameras, and allows remote PTZ control for cameras that support this feature.



The Latest Standard for Superior Quality Video

The SVG product series adheres to the latest video and networking standards, ensuring the highest video quality over available conditions. MPEG-4 compression, optional cellular interface for both 2G and 2.5G networks and Wireless LANs ensure full compatibility with currently installed equipment, preserving customers' investment.

Applications

- .. Mid-size business and security organizations
- .. Mobile security for on-duty police officers or fire fighters
- .. Remote video surveillance at unattended sites
- .. Utility sites: electric plants, water utilities, waste treatment facilities

Unique Video Display

SerVision's exclusive Dual-Resolution Architecture optimizes the bandwidth used for streaming the video to your handheld device. It features full motion QCIF for viewing events over cellular or narrowband networks, and the larger sized CIF for good motion imaging. The dual resolutions provides optimum display quality when faced with limited bandwidth conditions.

The dual resolution architecture facilitates full motion recording to a hard disk using the higher resolution CIF, while enabling a larger display, as needed, using QCIF.

Seamless Network Integration

The SVG series operates seamlessly both with Ethernet networks or cellular and standard phone line infrastructures. This enables the Gateway to function as a complete stand-alone system, with true point-to-point connectivity without requiring an Internet connection. The SVG series also provides extended recording and storage options for up to one month and up to 32 video channels on a single system. Multiple systems can be easily configured from a single standard PC. Events and associated recordings can be also retrieved using the easy-to-use client application

highlights

Up to 18 FPS CIF or QCIF Over Cellular Networks

The SVG security series advances digital video monitoring to the next stage of technology and functionality with fast, optimized, fully integrated MPEG-4 streaming of multiple camera views to wirelessly-attached PDAs over cellular networks (GPRS, CDMA or HSCSD).

Video Streaming to PDAs and PCs Over Wireless LANs

The SVG security series streams video at up to 30 fps using NTSC, and 25 fps using PAL.

Local Recording and Smart VMD

Full recording for one month and more, ensures no event is missed, while advanced motion-detection algorithms alleviate the need for continuous human monitoring of a terminal's screen.

Direct Connection Operation

SVG security series' Direct Dial-In for connecting with an analog modem, such as ISDN, GPRS, CDMA or HSCSD connection for unattended sites provides utmost video quality.

Control Pan Tilt and Zoom From Mobile Device

The SVG security series fully implements Protocol D, allowing full remote PTZ control (if those features are supported by the camera).

Advanced Data Encryption

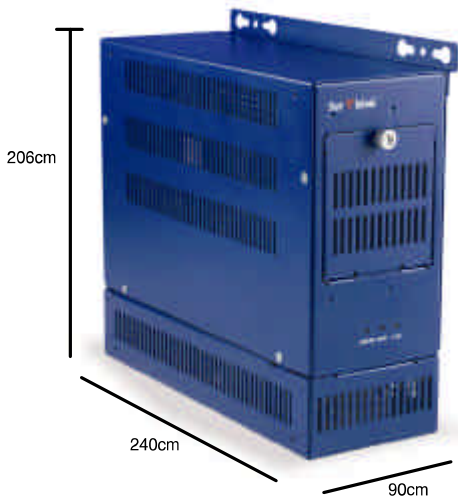
The SVG security series supports encryption using the Triple DES algorithm with 192 bit key.

SVG-400

The SVG-400 features a compact package that is appropriate for space and power constrained applications, as well as mobile applications, supporting up to 4 cameras, delivering video to cellular-connected PDAs and PCs. Built-in DSP processing delivers MPEG-4 quality video to cellular based applications while the robust user interface allows full remote PTZ control (if supported by the camera), viewing events, and video playback based on a specified recording time and date.

SVG 400 at a glance

Camera Channels	4
Video Standard	NTSC/PAL
Compression	MPEG-4, DSP based
Resolution	Parallel Dual Resolution Architecture (CIF/QCIF)
Local Storage	Currently up to 80Gb
Remote Storage	Unlimited using standard NAS/SAN
Encryption	Triple DES 192 bit key
Network	Any IP based network including: Cellular (GSM/GPRS, CDMA 1xRTT) LAN, Wireless LAN, WAN and other IP networks
PTZ Camera Control	Yes, including "D"/ "D+" Protocol
OS	Linux
Operating Environment	Commercial
Power	12V or 110 - 220 AC input
Size and Weight	90.5cm (W) x 206cm (H) x 240cm (D) - 2Kg
Shock and Vibration	Shock 10G (11ms) - Vib 3G (17-500hz)



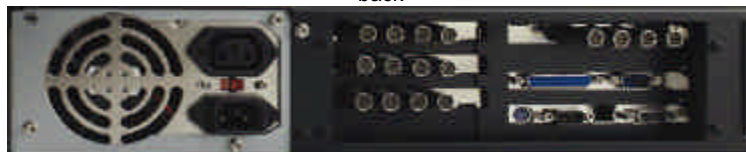
SVG-1000

The SVG-1000 is a modular, scaled-up version of SVG-400, featuring 4-32 cameras support in an efficient 2U, 3U or 4U enclosure. The SVG-1000 is based on the same advanced DSP processing for MPEG-4 video delivery to PDAs and PCs, while offering expanded storage capability of up to 4 x 120GB disks (higher capacities will be possible as new technology becomes available).

front



back



Camera Channels	4 - 32
Video Standard	NTSC/PAL
Compression	MPEG-4, DSP based
Resolution	Parallel Dual Resolution Architecture (CIF/QCIF)
Local Storage	Up to 4 x 120GB
Encryption	Triple DES 192 bit key
Network	Cellular (GSM/GPRS, CDMA 1xRTT) Or Ethernet (LAN, Wireless)

PTZ Camera Control	Yes, including "D"/ "D+" Protocol
OS	Linux
Operating Environment	Commercial
Power	12V or 110 - 220 AC input
Size and Weight	2U ,3U or 4U