

Electrical Data

Power requirements	Four 3.6 V batteries
Battery type	Lithium, LSH20
Battery life (estimated)	At least 4 years
RF technology	S2View®
Radio type	Spread Spectrum Bidirectional RF
Operating frequency	915 MHz. 25 frequencies
Transmission security	AES algorithm encryption
Radio jam detection	Yes
Supervision	Transmits check-in signal every 8 minutes
Antenna	Integrated
Tamper detection	Wall and cover tamper detection
Siren output	110 dB @ 1 meter
Siren duration	3 minutes maximum
Programming	Alphanumeric Keypads or Frontel Downloader Software
Devices per system	24 maximum
Access codes	20 maximum
Installer codes	One (for system programming only)
Security levels	4
Arming modes:	4
Areas	4 (Area 1 predefined from factory for entry/exit delay. Areas 2, 3, & 4 programmable.)
Communicator transmitter	Digital, voice, IP
Communicator type	Analog phone line PTSN (TBR21)
Dialing	DTMF
Protocols	Frontel, CID
IP stack	IP, TCP/IP, HTTP, SMTP, PPP
Voice alarm transmission	Up to 3 phone numbers
Voice server	Pre-recorded messages
Email transmission	Up to 2 Email addresses
Remote maintenance	Frontel Downloader protocol only
Video transmission:	By Frontel protocol to central monitoring station, or by Email.
Video format	MPEG V1.0 video file
Video file size	200 Kbytes
Video framing	5 frames/second
Picture format	JPEG
Picture size	320 x 240 pixels
History/Event Log	4,000 events stored in flash memory
Operating temperature	32° - 104° F (0° - 40° C)
Maximum relative humidity	70%, non-condensing
UL Listings	1023 (applied for)

Physical Data

Material	ABS-ULVO
Dimensions	(LxWxD): 11 in. x 6-1/4 in. x 2-1/4 in. (280 mm x 158 mm x 57 mm)
Weight	34.5 oz./980 g (without batteries)

Installation/Mounting

Control Panel/Base	Two screws secure control panel cover to base; four screws secure
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**Description**

The Control Panel Model V 6000 is an RSIAlarm™ wireless, battery operated security system control panel. The control panel is designed for residential and small commercial security applications where video verification is needed or desired.

The control panel is powered by four 3.6-volt lithium batteries that can last at least four years, depending on the amount of system activity. A built-in siren provides status beeps and alarm sounds. Connection to a phone line for system reporting is provided by an RJ-31X phone jack.

A dual-tamper function is active 24 hours, whether or not the system is armed. An alarm occurs if the control panel cover is removed, or if the control panel is removed from the mountingsurface.

Supervised Wireless Technology

The V 6000, along with all RSIAlarm devices utilize patented S2View®-Spread Spectrum, Videofied, Interactive, AES Encrypted Wireless technology, providing optimum signal integrity and security. Bi-directional RF communications paths between all system devices and the system control panel. Radio jam detection identifies deliberate jamming of the system from outside parties. Integrated antennas eliminate protruding wires or rods that may be cumbersome when installing, unsightly to consumers, and eliminate damage leading to potential system communication problems.

Supervision is accomplished by signal transmissions every eight minutes between each system device (excluding Keyfobs) and the control panel. These signal transmissions identify the unique identification code along with the current open/close state, tamper condition, serial number, manufacture date, software revision and battery status.



4455 White Bear Parkway, Suite 700
White Bear Lake, MN 55110
USA

Toll Free: 877-206-5800
Fax: 763-784-0200
www.videofied.com

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Compatibility The V 6000 works with all the following RSIalarm wireless devices:



P-Cam/Motion-Activated Cameras—detect intruder movement/motion and activate a built-in camera for video verification of intrusion alarms. Models with and without pet-immunity are available.

PIR Motion Detectors—detect intruder movement/motion. Models with and without pet-immunity are available.



Alphanumeric Keypads—allow complete system operation and on-site configuration/programming.



Door Contacts—detect door and window open/close activity. An external input allows a wired connection from standard security switches and detection devices outputs.



Interior Sirens—provide status beeps and alarm sounds throughout the premises where needed.



Exterior Sirens/Strobes—provide alarm sounds and visual identification of alarm site for responding authorities.



Keyfobs—allow limited system operation and panic alarm capability in a portable, convenient package.

Capacities

Each V 6000 system can manage up to 24 individual devices (camera, motion detector, keypad, siren, etc.). Each device is assigned to one of four protection Areas. Area 1 is predefined from the factory for entry/exit delay. The other three areas can be configured/programmed as required for the installation. For example, Area 2 could be configured for devices on the main level, Area 3 for devices on the upper level, and Area 4 for devices in the basement.

There are 20 individual access codes that can be four to six digits long. Each access code can be assigned to one of four security levels for specific operating authority. Levels 1, 2, and 3 provide various system operation limits. One installer code allows access to Level 4 which provides the installer/dealer full access for configuration/programming. The installer code is restricted from system arming and disarming.

Configuration/Programming

Complete system configuration/programming can be done onsite using alphanumeric keypads. Easy to understand text on a 2-line, 16-character liquid-crystal (LCD) display guides you through programming, prompting you for simple yes/no or data entry responses. Complete punctuation symbols allow for accurate website/IP address entries and device location naming.

Off-site programming is accomplished by using Frontel™ Downloader Software. A phone connection between the control panel and a computer with Frontel Downloader Software allows trained operators to configure/program all system settings/parameters.

Communication

The V 6000 reports alarms and other system events using the following methods and formats: Frontel, Contact ID, Voice, and Email.

- *Frontel*—provides complete system reporting information and video verification to a central monitoring station set up with Frontel Monitoring Software.
- *Contact ID (CID)*—provides standard CID system reporting codes to central monitoring stations with CID compatible receiving equipment and software.
- *Voice*—reports alarms by digital voice to one, two, or three customer-designated phone numbers (office, home, cellular, etc.).
- *Email*—sends alarm messages/videos to one or two customer-designated Email addresses.

Video Verification

Incorporating motion-activated cameras into the security system allows for video verification of intrusion alarms (only when the Frontel reporting format is selected). When the system is armed and a motion-activated camera is activated by an intruder, the camera captures a 10-second digital video clip which is sent to the central monitoring station by the control panel. Customers can also receive video clips through Email.

History/Event Log

The V 6000 records and stores all system activities or events (armings, disarmings, alarms, access codes entered, system-programming changes, etc.) in flash memory, that cannot be cleared or erased. The log accumulates a maximum 4,000 events. As additional events occur, the control panel automatically deletes the oldest event. This ensures the most events reside in the log.

The history/event log can be viewed using an alphanumeric keypad or downloaded at the central station

Features

- *S2View®*—*Spread Spectrum, Videofied, Interactive AES Encrypted Wireless technology provides optimum signal integrity and security.*
- *Compatibility*—works with all RSIalarm wireless devices.
- *Supervision*—every 8 minutes (all devices except Keyfobs).
- *Tamper detection*—24-hour dual-tamper function provides detection for both cover and wall removal. Control panel also monitors all system device tamper switches.
- *Zones*—24 maximum.
- *Areas*—4 maximum. Area 1 predefined from factory for entry/exit delay. Areas 2, 3, and 4 can be configured as needed.
- *Access codes*—20 maximum, 4 - 6 digits; one installer access code for on-site programming only.
- *Configuration/Programming*—on-site using alphanumeric keypads or off-site using Frontel Downloader Software.
- *Communication*—reports to central monitoring stations using Frontel or CID formats. Can also report alarms to customer via digital voice phone calls or Email.
- *Video Verification*—video resolution of 320 x 240 pixels, 0.2 lux sensitivity, 5-frames per second for about 10 seconds total recording time. 200K MPEG file.
- *History/Event Log*—maximum 4,000 events stored in flash memory that cannot be cleared or erased.

Applications

- *Residential and small commercial security system installations*