

## TECHNICAL SPECIFICATIONS

### Electrical Data

Power requirements	Four 3.6 V batteries
Battery type	Lithium, LSH20
Battery life	Up to 4 years
RF technology	S <sup>2</sup> View®
Radio type	Spread Spectrum Bidirectional RF
Operating frequency	868/915/920 MHz
Transmission security	AES algorithm encryption
Radio jam detection	Yes
Supervision	Polled 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 remote control Software
Devices per system	25 maximum
Access codes	19 maximum
Installer codes	One (for system programming only)
Security levels	3
Arming modes:	4
Areas	4 (Area 1 predefined from factory for entry/exit delay. Areas 2, 3, & 4 programmable.)
Communicator formats	DTMF, FSK, voice, IP
Communicator type	Analog phone line PTSN (TBR21)
Dialing	DTMF
Protocols	Frontel, CID, SURTEC
IP stack	IP, TCP/IP, HTTP, SMTP, PPP
Voice alarm transmission	Up to 3 phone numbers
Voice server	Pre-recorded messages
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	105 Kbytes or 10s
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	0°/+40°C (32°/104°F)
Maximum relative humidity	70%, non-condensing
Approvals	CE / EN50131 / EN300220 / INCERT/ IDA / NCP (VISIO1000) FCC (V6000) A-Tick (V7000)

### Physical Data

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

### Installation/Mounting

Control Panel/Base	Two screws secure control panel cover to base; four screws secure control panel base to the wall
--------------------	--

*VISIO means V6000 for USA/Canada, V7000 for Australia/Singapore and VISIO1000 for Europe and rest of the world.*

## PRODUCT SPECIFICATIONS SHEET

Made by RSI VIDEO TECHNOLOGIES

2200-V May 2009

### Description

**The Control Panel Model VISIO** is a VIDEOfIED® 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 up to four years, depending on the amount of system activity. A built-in siren provides status beeps and alarm sounds.

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 mounting surface.

### Supervised Wireless Technology

The VISIO, along with all VIDEOfIED® devices utilize patented S<sup>2</sup>View® - Spread Spectrum, VIDEOfIED®, Interactive, AES Encrypted Wireless technology, providing optimum signal integrity and security. Bi-directional RF communication paths between all system devices and the system control panel assure high signal reliability. 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, are unsightly to consumers, and if damaged could lead 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.



*VISIO means V6000 for USA/Canada, V7000 for Australia/Singapore and VISIO1000 for Europe and rest of the world.*

**Compatibility** The VISIO works with all the following VIDEOFIED® wireless devices:



**Indoor MotionViewer™ 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.



**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 outputs from other detection devices.



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



**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.



**The Badge Reader** - consists for status information, a built in sounder, interactive, encrypted wireless circuitry for secure two-way communication with the control panel.



**Outdoor MotionViewer™ cameras** - detect intruder movement/motion and activate a built-in camera for video verification of intrusion alarms.

## Capacities

Each VISIO system can manage up to 25 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 delayed entry/exit. 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 19 individual access codes that can be four to six digits long. Each access code can be assigned to one of three security levels for specific operating authority. Levels 1 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 an alphanumeric keypad. 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 remote control Software. A phone connection between the control panel and a computer with Frontel Downloader Software allows trained operators to configure/program system settings/parameters.

## Communication

The VISIO reports alarms and other system events using the following methods and formats: Frontel, SURTEC, 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.
- > SURTEC - provides standard SURTEC system reporting codes to central monitoring stations with SURTEC compatible receiving equipment and software.
- > Voice - reports alarms by digital voice to one, two, or three customer-designated phone numbers (office, home, cellular, etc.).

## Video Verification

Incorporating MotionViewer™ 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 VISIO 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 recent events reside in the log.

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

## Features

- > S<sup>2</sup>View® - Spread Spectrum, VIDEOFIED®, Interactive AES Encrypted Wireless technology provides optimum signal integrity and security.
- > Compatibility - works with all VIDEOFIED® 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 - 25 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 - 19 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 remote control Software.
- > Communication - reports to central monitoring stations using Frontel, SURTEC and/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. 220K 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.
- > Temporary and portable video verification for:
  - Property
  - Construction sites
  - Assets
  - V.I.P. protection