D A T A   S H E E T

Description

The XV-iP GPRS alarm panel is a wireless, mains powered security system. 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 mains power supply with backup alkaline batteries.

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.

The user can arm and disarm the system by entering his code on the external keypad. The XV-iP panel is embedded with two programmable inputs and one programmable output.

You can enhance radio or GPRS communication on the XV-iP panel by connecting external antennas.

Supervised Wireless Technology

The XV-iP series, along with all Videofied devices uses patented S2View$^®$ - Spread Spectrum, Videofied, Interactive, AES Encrypted Wireless technology, providing optimum signal integrity and security.

Bi-directional RF communication between all system devices and the system control panel assure high signal reliability.

Integrated antennas eliminate protruding wires or rods cumbersome to install and unsightly to consumers, and if damaged could lead to potential system communication problems.

The panel supervises every device (excluding the remote keyfob) to monitor current open/close state, tamper condition, serial number, date of manufacture, firmware revision, and battery status.

Features

> S^{2}View$^®$: Spread Spectrum, Videofied, Interactive AES Encrypted Wireless technology provides optimum signal integrity and security.

> Compatibility : works with all Videofied$^®$ wireless devices.

> Supervision of all devices (except remote keyfob).

> 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 / Devices : 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 : 20 maximum, 4 - 6 digits; one installer access code for on-site programming only.

> Configuration/Programming : on-site using alphanumeric keypads.

> Communication : reports to central monitoring stations using Frontel.

> Video verification : video resolution of 320 x 240 pixels, 0 lux sensitivity, 5-frames per second for approx. 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.

Configuration/Programming

Complete system configuration/programming can be done on-site using alphanumeric keypads. Easy to understand text on a two line, 16-characters 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.

Communication

The XV-iP reports alarms and other system events by using the Frontel protocol. Frontel provides complete system reporting information and video verification to a central monitoring station set up with the Frontel alarm receiving software.

Video Verification

Incorporating MotionViewer™ into the security system allows for video verification of intrusion alarms.

When the system is armed and an intruder trips MotionViewer™, the integrated camera captures a 10-second digital video clip which is sent to the central monitoring station by the control panel, which can forward them to an alert list.

History/Event Log

The XV-iP GPRS control panel records and stores all system activities and 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 of 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 monitoring station.

Compatibility

The XV-iP series panel is compatible with all the Videofied ® wireless devices described in this page:

Indoor MotionViewer™:

Integrated PIR motion detector, night vision digital camera, infrared illuminators.

The Indoor MotionViewer detect intruders and capture a video of the intrusion which is sent to the panel over RF.

Outdoor Badge Reader with Prox-Tag:

Allowing Arming/disarming of the system from outside the premices.

The Prox-Tags are standard Mifare badges.

Door Contact :

Detect door and window open/close activity.

Outdoor MotionViewer™:

Integrated PIR motion detector, night vision digital camera, infrared illuminators.

The Outdoor MotionViewer detect intruders and capture a video of the intrusion which is sent to the panel over RF.

Indoor Siren:

Provide status beeps and alarm sounds throughout the premises where needed.

Outdoor Siren/Strobe:

Provide alarm sounds and visual identification of alarm site for responding authorities.

Smoke Sensor:

Enhances protection and uses advanced smoke detection technology. Totally wireless and integrated to the security system.

Remote Keyfob:

Allow limited system operation and panic alarm capability in a portable, convenient package.

Electrical data

Power requirements

Power supply Type B	9-12VDC / 1,2A
Low voltage limit	5,15V
Backup	6V with 4 x 1,5 V D Alkaline batteries /LR20
Low battery limit	4,2V
Battery life (average)	1 year
Average current consumption (over 1h)	450µA
Max current	1,2A

RF S²View® Technology

Radio type	Bidirectional RF
Operating frequency	868/915/920 MHz
Transmission security	AES algorithm encryption
Radio jam detection	Yes
Supervision	Yes
Antenna	Integrated
External radio antenna	Yes via MMCX connector

Tamper detection

Tamper	Wall and cover tamper detection

Programmable wired input

Number	2
«Dry» contact	Yes
Input voltage	12 VDC (15VDC max)

Programmable wired outputs

Number	1
Max switching voltage	24VDC /30VAC
Max switching current	1A
Max switching power	30 W

Approvals

EN50131-1: 2007 - Grade 2 – Class II

EN50131-3:2009 - Grade 2   &   **RTC 50131-3**:2009

EN50131-4:2009 Grade 2   &   **RTC 50131-4**:2009

EN50131-5-3:2005 - Grade 2

EN50131-6:2008 Grade 2 –Type B &   **RTC 50131-6**:2008

NF C 48-212:2004

NF EN50130-4:1995; A1:1998; A2:2003

NF EN50130-5: 1998 Class II

GPRS Transmission

Communicator

Communicator type	GPRS/Ethernet
Security Protocol	Frontel
IP Stack	TCP/IP
Video transmission	By Frontel protocol to central monitoring station
GPRS antenna	Integrated
2G frequencies	850 / 900 / 1800 / 1900
3G frequencies	800/850(B5), AWS1700(B4), 1900(B2) *(XT-iP 630)*
	800/850(B5), 900(B8), 2100(B1) *(XT-iP 730)*
External GPRS antenna	Yes via MMCX connector

Video

Video format	MPEG
Video size	Depending on camera type
Video length	10 seconds

Miscellaneous

Programming	With remote Keypad
Remote Devices per system	25 maximum
Access Badges/codes	20 maximum
Special arming mode	4
Number of Areas	4
History / Event log	4,000 events stored on flash memory

Box

Physical and Environmental Data

Operating temperature	-10°/+40°C
Maximum relative humidity	75%, non-condensing
Material	ABS—ULV0
Dimensions	225 mm x 180 mm x 55mm (LxWxD)
Weight	520gr (without batteries) / 1600gr (with batteries)

Installation/Mounting

Control Panel/Base

Two screws secures control panel cover to base; Three screws secure control panel base to the wall

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