

XV-iP 210 ALARM PANEL SERIES

004:V SPECIFICATION SHEET



VIDEOFIED
ULTIMATE SECURITY



XV-iP 210 ALARM PANEL SERIES ETHERNET & GPRS ALARM SYSTEM

Description

The XV-iP GPRS alarm panel is a Videofied® wireless, battery operated 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 four 3.6V Lithium batteries that last up to four years, with normal system activity. It can also be powered by a mains power supply.

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 outputs.

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, 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

- The S2View® : Spread Spectrum, Videofied, Interactive AES 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.



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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 via the webeyeCMS cloud alarm platform allowing the alarms and video clips to be sent directly to stake holders on their smartphones or web browser (no expensive hardware or software required).

Notification of an alarm is sent to all recipients simultaneously and virtually immediately. If no one acknowledges the notification webeyeCMS re-sends the notification every 10 minutes for up to 2 hours or until someone confirms receipt.

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 webeyeCMS by the control panel.

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



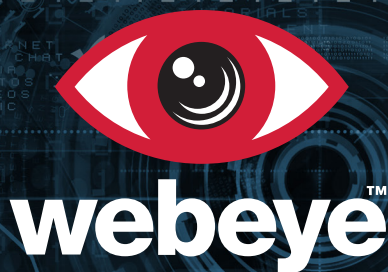
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Power requirements (option 1)

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	4.2 V
Battery life (average)	1 year
Average current consumption (over 1h)	450µA
Max current	1.2A

Max switching voltage	60VDC /30VAC
Max switching current	4A
Max switching power	120 VA

Physical and Environmental Data

Operating temperature	-10°/40°C
Maximum relative humidity	75%, non-condensing
Material	ABS—ULV0
Dimensions: Panel	225 mm x 180 mm x 55mm
Mounting	2 screws to close the cover
	3 screws secure control panel base to the wall

Communicator

Communicator type	GPRS/Ethernet
Security protocol	Frontel
IP stack	TCP/IP
Video transmission	By Frontel protocol to CMS or App servers

GPRS antenna	Integrated
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
Areas	4
Event log	4000 events stored on flash memory

Power requirements (option 2)

Power supply type C	14,4V with 4x 3,6V LSH20
lithium batteries	
Low battery limit	12V
Battery life (average)	4 years

RF S2View® Technology

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

Tamper Detection

Tamper	Wall and cover tamper detection
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Programmable wired input

Number	3
<<Dry>> contact	Yes
Input voltage	12 VDC (15VDC max

Programmable wired outputs

Number	2
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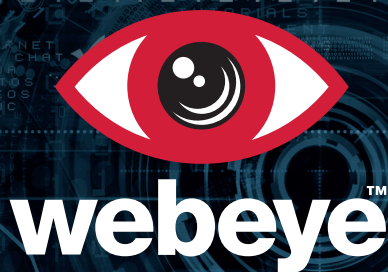
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Security Notes

- Remove the battery before any maintenance!
- Warning, there is a risk of explosion if a battery is replaced by an improper model!
- Observe polarity when setting up battery
- Do not throw the battery when it is used! Dispose of it properly according to Lithium Metal requirements

FCC Regulatory Information for USA and Canada

FCC Part 15.21

Changes or modifications made to this equipment not expressly approved by RSI Video Technologies may void the FCC authorisation to operate this equipment.

FCC Part 15.105 Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radio frequency radiation exposure information according 2.1091 / 2.1093 / OET bulletin 65

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed

and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

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



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