XT-iP 210 Control Panel

DATA SHEET

Description

The XT-IP210 Indoor Panel with GPRS & Ethernet 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 panel is embedded with three programmable inputs and two programmable outputs.

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



Supervised Wireless Technology

The XT panel 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

> S²View® : 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 panel 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 XT-IP210 Control Panel 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 XT-iP series panel is compatible with all the Videofied ® wireless devices described in this page:



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.



OSX Outdoor siren is a wireless and battery-powered siren designed for use with a Videofied security system.

The siren is normally installed outside of the building to warn the surroundings that an intrusion is occuring.



The XTO-IP210 Outdoor GPRS and Ethernet alarm panel is a Videofied® weatherproof, wireless, battery operated security system.

The control panel is designed for outdoor commercial applications (constructions sites, cellular towers, remote sites, substations...). The box is water-resistant and temperature-resistant.



The XMA210 Keypad is a battery operated wireless alphanumeric device designed for programing and operating Videofied security systems



Outdoor Badge Reader with Prox-Tag:

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

The Prox-Tags are standard Mifare badges.

Notes de sécurité / (EN) Security notes / (DE) Hinweise zur Sicherheit

Français

- *Retirez les piles avant toute opération de maintenance !*
- *Attention ! Il y a un risque d'explosion si l'une des piles utilisées est remplacée par une pile de type incorrect !*
- *Respectez la polarité lors de la mise en place des piles !*
- *Ne jetez pas les piles usagées ! Ramenez-les à votre installateur ou à un point de collecte spécialisé.*

English

- *Remove battery before any maintenance !*
- *WARNING, there is a risk of explosion if a battery is replaced by an incorrect type!*
- *Observe polarity when setting up the batteries!*
- *Do not throw used batteries! Bring them to your installer or a collection point.*

Deutsch

- *Batterien vor jeglichen Wartungsarbeiten entfernen!*
- *Vorsicht, es besteht Explosionsgefahr, wenn eine Batterie durch eine Batterie falschen Typs ersetzt wird!*
- *Achten Sie beim Einsetzen der Batterien auf die Polung!*
- *Entsorgen Sie Batterien nicht im normalen Haushaltsmüll! Bringen Sie Ihre verbrauchten Batterien zu den öffentlichen Sammelstellen.*

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 authorization 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

1 L'appareil ne doit pas produire de brouillage, et
2 L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Electrical data

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	4,2V
	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 inputs

Number	3
«Dry» contact	Yes
Input voltage	12 VDC (15VDC max)

Programmable wired outputs

Number	2
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

CE

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