



## Description

The XTO-iP GPRS 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 control panel is powered by 4 LSH20 Lithium batteries that last up to four years, with normal system activity.

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. A radio antenna is built in the system.



## 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 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.

## Supervised Wireless Technology

The XTO-iP series, along with all Videofied devices uses patented S<sup>2</sup>View® - 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 ensures high signal reliability.

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.

- > 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-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.

## Communication

The XTO-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 XTO-iP 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.

# XTO-IP ALARM PANEL

## Compatibility

The XTO-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 premises.

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.



## 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.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé.

Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

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.

## 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.



# XTO-IP ALARM PANEL

## ELECTRICAL DATA

Power supply	
Power supply Type C	14,4V with 4x3,6V Lithium batteries /LSH20
Low battery limit	12 V
Battery life (average)	4 years
RF S2View® technology	
Radio type	Bidirectional RF
Operating frequency	868MHz - XTO-iP 210 (Europe, South Africa, Asia) 915MHz - FHSS - XTO-iP 630 (USA, Canada, South America) 920MHz - FHSS - XTO-iP 730 (Australia, South America)
Transmission security	AES encryption algorithm
Radio jam detection	Yes
Supervision	Yes
Radio Antenna	integrated
External RF antenna	Yes via MMCX connector
Tamper	
Autoprotection	Cover tamper

## STANDARDS & CERTIFICATIONS

XTO-iP210	Compliant with the annex IV from the R&TTE 1999/5/CE Directive
XTO-iP630	USA FCC (Part 15C, 22H, 24E & 27) Canada IC (RSS-210 Issue 8, RSS-132, RSS-133 & RSS-139)
XTO-iP730	Australia A-Tick (AS/NZS4268, AS/CHS42 & AS/NZS 60950)



The EC declaration of conformity of this product is available by flashing this QR code.



This symbol on the product or on its packaging indicates that this product should not be treated as household waste. It must be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health. The recycling of materials will help to conserve natural resources. For more information about recycling of this product, please contact your local municipality, your waste disposal service or the company that installed the product.

## TRANSMISSION

Communicator	
Communicator type	2G3G
Security protocol	Frontel
IP stack	TCP/IP
Video transmission	By Frontel protocol to central monitoring station or App servers
2G3G Antenna	Integrated
External 2G3G antenna	Yes via MMCX connector
Video	
Video Format	WMV or MPEG
Images per second	5
Image size	320x240 or 640x480 pixels
Video length	4 to 12 seconds
Miscellaneous	
Programming	Keypad
Max number of devices	24
Max number of codes/badges	19
Arming modes	4
Areas	4
Event log	4000 events stored on flash memory
Events memory storage delay	Infinite

## BOX

Physical and Environmental Data	
Operating temperature	-25°/70°C
Maximum relative humidity	95%, sans condensation
International Protection Marking	IP65 / IK06
Material	ABS—ULV0
Installation / Mounting	
Control panel / Base	4 screws to close the cover 4 screws on panel base for brackets mounting
Dimensions	
Panel	272 mm x 276 mm x 96mm

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