SPECIFICATION SHEET

XTO-IP ALARM PANEL

DOC. - REF. 220-XTO-IP
EDITION DATE. : FEBRUARY 2016



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.

Supervised Wireless Technology

The XTO-iP 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 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.

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 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.

Compatibility

The XTO-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 XT-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 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.

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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)
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

TRANSMISSION

Communicator	
Communicator type	2G3G & Ethernet
2G frequencies	850 / 900 / 1800 / 1900 MHz
3G frequencies	800/850(B5), AWS1700(B4), 1900(B2) (XTO-iP 630) 800/850(B5), 900(B8), 2100(B1) (XTO-iP 730)
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	IP54 / 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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