

## Description

The XTO-IP630 control panel is a wireless, battery operated, hybrid alarm system. It is designed for outdoor security applications such as construction sites, cell towers, remote sites, and substations, where the location of the panel has Ethernet (IP) or Cellular (3G) connection.

## Features

The panel includes the choice of many different configuration options including the following:

- > Arming by Videofied Peripherals, Schedule, Virtual Keypad, or existing alarm system.
- > Power the system by Power Supply + Battery Backup or standalone battery (up to 4 years).
- > Communicate over Ethernet + Cellular Backup (3G), Ethernet Only, or Cellular Only (3G).
- > 25 wireless zones for Videofied Peripherals plus 3 Programmable input zones for hardwired devices.
- > Integrated high gain RF and Cell antennas for better communication.
- > 2 Hardwired outputs.
- > Virtual Keypad arming and disarming from Smartphone.

## Security

With two modes of transmission, Ethernet and Cellular (3G), the XTO-IP630 panel ensures maximum safety. In case of Ethernet connection loss, the XTO-IP630 panel will switch to cellular (3g) (if enabled) to transmit alarms and videos.

## Supervised Wireless Technology

The XTO-IP630, along with all Videofied devices, utilize patented S2View® - Spread Spectrum, AES Encrypted Wireless technology, providing optimum signal integrity and security. Bi-directional RF communication paths between all system devices and the system control panel assure high signal reliability. Integrated RF and Cellular connections allow for addition of external antennas for increased performance.

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



**\* When using the XTO-IP630 panel with the Ethernet connection or SMS Arming you must use a 12v 2A Power Supply with 4 Alkaline battery backup (PP4)\***

# Control Panel Videofied XTO-IP630

**Compatibility** The XTO-IP630 works with all the following Videofied wireless devices:



**Indoor MotionViewer** - integrated PIR motion detector, night vision digital camera, infrared illuminators. MotionViewers detect intruders and capture a 10 second 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 Contacts** - detect door and window open/close activity.



**Outdoor MotionViewer** - integrated PIR motion detector, night vision digital camera, infrared illuminators. MotionViewers detect intruders and capture a 10 second video of the intrusion which is sent to the panel over RF.



**Interior Sirens** - provide status beeps and alarm sounds throughout the premises where needed.



**Exterior Sirens/Strobes** - provide alarm sounds and visual identification of alarm site for responding authorities.



**Remote Keyfobs** - allow limited system operation and panic alarm capability in a portable, convenient package.



**Keypads** - For arming/disarming, programming, and maintenance.

## Features

- > 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.
- > Up to 25 Wireless zones/devices
- > Mapping feature to trigger a video upon activation of a programmable input
- > 3 programmable inputs
- > 2 programmable outputs to activate third party devices on site (smoke cloak, gates, strobes, sirens, etc...)
- > 2 dedicated on-board connectors to extend the 3G coverage and the radio coverage
- > 4 Areas with 2 special arming mode and partitions
- > 20 user codes or Badges
- > 4.000 Events history log
- > Power : 12VDC with Alkaline batteries for back-up (up to one month of back-up)
- > Built-in RJ45 for Ethernet transmission to report to your Monitoring Station in the Frontel protocol
- > Built-in 3G cellular transmitter to report to your Monitoring Station in the Frontel protocol

## Properties

### Power Requirements (Option 1) Must be used when using

#### Ethernet Communication or SMS-

Back up	4 Alkaline 1.5v DCell, LR20
Battery life (estimated)	Up to 1 year

### Power Requirements (Option 2) - Will not work with Ethernet or SMS-

Battery life	4 SAFT LSH20 Batteries
	Up to 4 years

### RF Technology:

Radio type	Spread Spectrum Bidirectional
Operating frequency	915 MHz. (US)
Transmission security	AES encryption algorithm
Supervision	Panel polls devices every 8 minutes
Antennas	Integrated

### Tamper:

Cover Tamper

### Wired Arming Inputs:

Dry Contact option	Yes
Inputs Voltage	2VDC (15v max)
Inputs Current	2 mA max

### Programmable Wired Inputs:

Dry Contact	Yes
Inputs voltage	12VDC (15v max)

### Programmable Wired Outputs:

Max switching voltage	220VDC / 250VAC
Max switching current	4A
Max switching power	120VA

### Programming:

Alphanumeric Keypads  
or Frontel Installer Software

### Devices per system:

24 per system + Programming/Maint. Keypad

Access Codes	19 maximum + Installer Code
Security Levels	3
Arming modes	2

### Areas:

4 (area1 predefined from factory  
entry/exit delayed. Areas 2,3 & 4 programmable)

Communication Formats	Cellular 3G / Ethernet
Protocols	Frontel Only
Installer Codes	One (for system programming only)
Special arming modes	4 (Area 1 predefined)
Communication Formats	IP
Communicator type	Cellular 3G and Ethernet
IP Stack	IP, TCP/IP
Remote Maintenance	Frontel Installer Protocol only
Video Transmission	By Frontel protocol to Central Monitoring Station
Video file size	220 Kbytes
Video Framing	5 frames/second
Image format	JPEG
Image Resolution	320x240 Pixels
History/Event Log	4,000 Stored events

## Physical Data

Operating temperature	-20° to +140° F (-28 to +60° C)
Maximum relative humidity	95%, non-condensing
Material	ABS-ULVO
<b>Dimensions</b>	(LxWxD) 10.6 x 10.6 x 2.9in 391 x 391 x 76mm

## Installation/Mounting

<b>Control Panel/Base:</b>	Two screws secures control panel cover to base. Three screws secure control panel base to wall
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### External Antenna:

High Gain RF and Cell antennas

## FCC Regulatory Information for USA and CANADA

FCC Part 15.21 Changes or modifications made to this equipment not expressly approved by RSI VideoTechnologies 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.



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