Description

The XTXIP control panel is an extended temperature, wireless, battery operated, hybrid alarm system. It is designed for residential, small business security applications, as well as both indoor and outdoor commercial applications (construction sites, cell towers, remote sites, substations...) where the location of the panel is unconditioned but protected from the elements and has Ethernet (IP) or GPRS connection.

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

> Arming by Videofied Peripherals, Schedule, Virtual Keypad, or exisiting alarm system.

> Power the system by Power Supply + Battery Backup or standalone battery (up to 4 years).

> Communicate over Ethernet + Cellular Backup, Ethernet Only, or Cellular Only.

> 24 wireless zones for Videofied Peripherals plus 3 Programmable input zones for hardwired devices.

> Choose between the Internal RF antenna or switch to an External RF antenna option.

> 2 Hardwired outputs.

> Virtual Keypad arming and disarming from Smartphone.
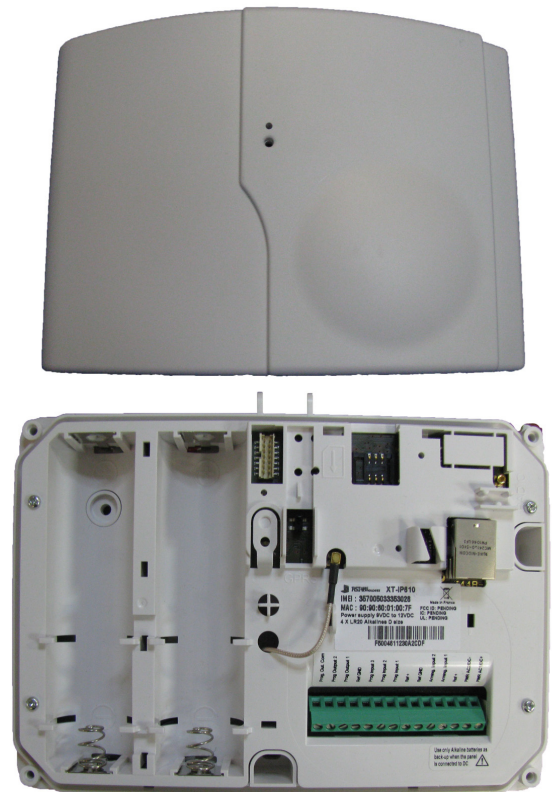
> Operating temperature from -20F to +140F.

Security

With two modes of transmission, Ethernet and GPRS, the XTIP panel ensures maximum safety. In case of Ethernet connection loss, the XTIP panel will switch to GPRS (if enabled) to transmit alarms and videos.

Supervised Wireless Technology

The XTXIP, 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 GPRS conntections 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 XTIP panel with the Ethernet connection or SMS Arming you must use a 12v 2A Power Supply with 4 Alkaline battery backup (PP4)*

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Control Panel Videofied **XTXIP**

Compatibility The XTXIP 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 premices. The Prox-Tags are standard Mifare badges.

Door Contacts - detect door and window open/close activity. An external input allows a wired connection from standard security switches and detection devices outputs.

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.

Smoke Sensor - enhances protection and uses advanced detection technology. The Smoke Sensor is totally wireless and an integrated addition the whole security system.

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

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 GPRS 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 GPRS transmitter to report to your Monitoring Station in the Frontel protocol

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Electrical Data

Power Requirements (Option 1) Must be used when using Ethernet Communication or SMS- | 12v DC / 2A

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- | 4 SAFT LSH20 Batteries

Battery life	Up to 4 years
RF technology	S2View®
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 detection	Base and Cover Tamper
Operating temperature	-20°F - +140° F
Maximum relative humidity	95%, non-condensing
UL listings	1023 (applied for)
Wired Arming Inputs	2
Dry Contact option	Yes
Inputs Voltage	2VDC (15v max)
Inputs Current	2 mA max
Programmable Wired Inputs	3
Dry Contact	Yes
Inputs voltage	12VDC (15v max)
Programmable Wired Outputs	2
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 + 1
Access Codes	19 maximum + 1
Security Levels	3
Arming modes	2
Areas	4 (area1 predefined from factory entry/exit delayed. Areas 2,3 & 4 programmable)

Communication Formats	GPRS / Ethernet
Protocols	Frontel Only
Installer Codes	One (for system programming only
Special arming modes	4 (Area 1 predefined
Communication Formats	IP
Communicator type	GPRS and Ethernet
IP Stack	IP, TCP/IP
Remote Maintenance	Frontel Installer Protocol only
Video Transmission	By Frontel protocol to Central Monitoring Station
Video Format	MPEG video file
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

Material	ABS-ULVO
Dimensions	(LxWxD) 9" x 7"x 2-1/16"

Installation/Mounting

Control Panel/Base	Two srews secures control panel cover to base. Three screws secure control panel base to wall
External Antenna	2 Built in MMCX connectors to extend the GPRS and RF range

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.