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Control Panel
XT-IP240 and XT-IP740

Application

The XT-IP 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 3.6 V 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 XT panel is embedded with three programmable inputs and two programmable outputs.

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

Supervised Wireless Technology

The XT 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.

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.

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.

Special 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)
- **Zones / Devices:** 25 maximum
- **Tamper detection:** 24-hour dual-tamper function provides detection for both cover and wall removal; Control panel also monitors all system device tamper switches
- **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 QVGA (320x240), 0 lux sensitivity, 5-frames per second, 256 kB MPEG (H264) file
- **History/Event Log:** maximum 4.000 events stored in flash memory that cannot be cleared or erased

Method of Operation

Communication

The XT 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 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.

Technical Characteristics

Compatibility

The XT series panel is compatible with all the Videofied® wireless devices described in this page:

	Indoor MotionViewer® Integrated PIR motion detector, night vision digital camera, white flash 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 Proximity 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.

Technical Data

Electrical Properties	
Power Requirements (Option 1)	
Power supply Type B:	9-12 V DC / 1.2 A
Low voltage limit:	5.15 V
Backup:	6 V with 4 x 1.5 V D Alkaline batteries /LR20
Low battery limit:	4.2 V
Battery life (average):	1 year
Average current consumption (over 1h):	450 µA
Max. current:	1.2 A
Power Requirements (Option 2)	
Power Supply Type C:	14.4 V with 4x 3.6 V LSH20 lithium batteries
Low battery limit:	12 V
Battery life (average):	4 years
RF S2View® Technology	
Radio type:	Bidirectional RF
Operating frequency: XT-IP240:	868 MHz
XT-IP740:	920 MHz - FHSS
Transmission Security:	AES encryption algorithm
Radio jam detection:	Yes
Supervision:	Yes
Antenna:	Integrated
External radio antenna:	Yes via MMCX connector
Tamper	
Tamper detection:	Cover and wall tamper
Programmable Wired Input	
Number:	3
"Dry" contact:	Yes
Max. input voltage:	12 V DC (15 V DC)
Programmable Wired Output	
Number:	2
Max. switching voltage:	24 V DC /30 V AC
Max. switching current:	1 A
Max. switching power:	30 VA
Standards and Certifications	
XT-IP240:	CE, UKCA, ICASA, EN50131 Grade 2, Class II ATS SP3/DP2 NF&A2P 2 Shields
XT-IP740:	RCM

Transmission		
Communicator		
Communicator type:	XT-IP240:	LTE Cat-M, 2G, Ethernet
	XT-IP740:	LTE Cat-M, Ethernet
LTE CAT-M (4G) frequencies:	XT-IP240:	2100 (B1), 1800 (B3), 900 (B8), 800 (B20), 700 (B28)
	XT-IP740:	2100 (B1), 1800 (B3), 850 (B5), 900 (B8), 700 (B28)
2G frequencies:	XT-IP240:	850, 900, 1800, 1900 MHz
	XT-IP740:	-
IP stack:		TCP/IP
Security protocol:		Frontel
Video transmission:		By Frontel protocol to central monitoring station
Cellular antenna:		Integrated
External cellular antenna:		Yes via MMCX connector
Video Properties		
Video format:		MPEG (encoding H264)
Resolution:		QVGA (320 x 240)
Video file size:		256 kB (Typ.)
Framerate:		5 Images per second
Miscellaneous		
Programming:		With remote Keypad
Max. number of devices:		25
Max. access badges/codes:		20
Arming modes:		4
Areas:		4
Event log:		4000 events stored on flash memory
Box		
Physical Properties		
Material:		ABS ULV0
Dimensions:		225 x 180 x 55 mm
Weight:		620 g (without batteries) / 1200 g (with batteries)
Environmental Properties		
Operating Temperature:		-10 ° C / +40 ° C
Max. Relative Humidity:		75 %, non-condensing
Installation and Mounting		
Control panel/base:		Two screws secures control panel cover to base; Three screws secure control panel base to the wall

For more information
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