



4455 White Bear Parkway, Suite 700
White Bear Lake, MN 55110
Phone: 877-208-5800
<http://www.videofied.com>
www.coppertheft.info

Videofied Suite of Products Summary of Significant Features

Introduction

The Videofied Suite of completely wireless intrusion alarm and video verification solutions is unique in that this product line offers commercial and government security installers and users totally new, patented and unprecedented security monitoring and enhanced situational awareness capabilities. Videofied systems are used on their own as stand alone systems as well as extensions to existing alarm and video surveillance systems. This summary presents short narratives and bullet form listings of the features that represent the most significant of the features that distinguish Videofied from traditional and conventional security alarm and video reporting approaches. Videofied delivers efficient alarm and video reporting performance at a fraction of the price of conventional alarm/video systems. Videofied systems are designed to be monitored by a central station; they are not “self-monitored” by individuals. However, monitoring stations can send emails with videos to individuals or an alert list.

The P-Cam

A critical component to all Videofied configurations is the Passive Infrared Detector (PIR) detector/ video camera (P-Cam). The P-Cam is small - about the size of an industry standard PIR) If the PIR detector is commanded to be active by the controller, an intrusion into the P-Cams PIR field instantly reports a zone alarm, turns on the camera, auto-iris and internal solid state MPEG recorder. If the illumination is too low, the auto-iris turns on the IR illuminators, The MPEG capture is transmitted to the controller for forwarding to the monitoring or dispatch center as it is rendered. Within seconds, the zone alarm is reported and the first frames begin rendering at the remote monitoring location showing the operator or dispatcher what exactly triggered the alarm. P-Cam features include:

- Completely wireless operation. Lithium-ion batteries provide up to or in excess of 4 year life.
- On board 915 MHz, 25 channel spread spectrum transceiver.
- 128 bit AES encryption.
- Up to 40', 80° wide PIR volumetric detection pattern.
- On board auto-iris video camera with field of view that precisely overlays the PIR detection pattern.
- On-board Infra-red (IR) illuminators to allow video captures in total darkness.
- On-board MPEG video clip recording and wireless transmission (up to 10 seconds at 5 Frames per Second (FPS).
- Indoor and Outdoor P-Cams Versions available.
- Outdoor P-Cam is NEMA IP-65 compliant (direct water jet), temperature rated from -20° F to +140° F and features patented temperature and motion compensation for reliable outdoor operation.

Three Basic System Configurations

Each of the three configurations is targeted toward different basic applications. The difference between them are slightly different hardware configurations, firmware and feature sets in the different model control/communicators. They all are programmed essentially the same way with the difference being in the special features the different controllers offer. All configurations support up to 24 remote wireless devices; any combination of KeyFobs, Contacts, Card Readers, Sirens and P-Cams.

- **The Videofied Via-Pro** – Basic alarm and video verification system with keypad, control/communicator and 2 P-Cams.
- **The Videofied Xtender** – Add video to existing Security Systems with a “slave” control communicator with 2 P-cams. Features programmable inputs to allow Videofied system to be armed by existing alarm and/or surveillance system. The user interface on the existing system does not change. User continues to arm/disarm as normal.
- **The Videofied IVPS** (Infrastructure Video Protection System) – Videofied system optimized for critical infrastructure protection.
 - Features support of up to 200 users to support service person populations that would have access to facilities such as telecommunications towers, electrical sub-stations, water treatment facilities, oil well-heads, rooftop equipment and similar remote or difficult to protect applications.
 - Totally wireless proximity reader simplifies access to sites
 - Programmable Auto-Rearming assures protection is restored even if service persons neglect to turn system back on.
 - IVPS supports remote programming and card management over GPRS cell network.

All Peripherals Are Interoperable With Every System Configuration

- All Wireless Keypads, KeyFobs, Contacts, Card Readers, Relay Modules and Siren/Strobes will work with any Videofied system configuration.

Global Features – Common to all Videofied Configurations

- Over 10 US patents covering unique system features and operation.
- Videofied control/communicators are all are native IP systems... even in PSTN dial up mode an encrypted Point-to-Point Protocol (PPP) session is established for transferring video, alarm and diagnostic information.
- Capable of completely wireless operation.
 - Completely Self Powered – No AC or DC connections required.
 - In GPRS cellular communication configuration, absolutely no wires are required anywhere... no AC connections, no peripheral, keypad or reader connections, no remote reporting connections – complete systems can be installed in minutes or hours.
 - Only wiring exceptions:
 - RJ-31 wiring if telephone network (PSTN) reporting is desired.
 - RJ-45 wiring if land IP network reporting is desired.
 - All components are supervised, encrypted (128 bit AES) 915 MHz spread spectrum transceivers.

- Patented power management and supervision scheme provides up to 4 or more years operation for all system components. Components operate in an extremely low power consumption “quiescent” mode and are synchronized to wake up for a fraction of each second to listen for instructions from controller.
- Detection peripherals are “state aware” – The devices themselves are put into armed or disarmed mode and can be grouped (areas) and customized through programming.
- All systems can be remotely programmed and diagnosed.
- During an alarm event, a remote operator can look in at any of the systems cameras and retrieve a high resolution JPEG snap shot of the camera view at the time.
- P-Cams can be put in Walk Test Mode – if the walk test LED behind the lens illuminates, the PIR is detecting you and the camera can see you.
- All systems are capable of MMS reporting to hand held devices through a third party service.
- The wireless keypad works with all configurations and features a 32 character backlit alphanumeric display and audible feedback for entry and exit delay, alarms and trouble.
- The wireless keyfob works with all configurations and features the ability to arm the system in two custom modes, LED visual feedback and audible feedback for entry delay, exit delay, and alarms.
- The wireless proximity card reader accepts industry standard MIFARE credentials and features LED visual feedback and audible feedback for entry delay, exit delay, and alarms.
- Videofied offers the industry’s only completely wireless, self powered siren and siren/strobe suitable for indoor or outdoor use. The sounder produces 112 db at one foot. The outdoor siren/strobe can be programmed to operate as a strobe only, siren only or both. Either unit can be positioned and mounted in a matter of minutes.
- As all Videofied devices are completely wireless, they can be removed and relocated very quickly and easily.

IVPS – Infrastructure Video Protection System

- The IVPS can be remotely programmed via GPRS cellular communication.
- The IVPS accepts up to 200 credentials.
- The IVPS can be programmed to auto re-arm from 15 minutes to 24 hours after disarming in (15 minute increments).
- When auto re-arming, the IVPS will beep warning tones at the controller and proximity reader 15 minutes prior to auto arming and again at 45 seconds prior to auto arming.