

PeriGuard Perimeter Security System

with PeriGuard Software

Features: -

- Real time monitoring of security fence intrusion
- Events monitored include vibration, fence cutting, cable cutting, RTU controller box tampering, communication failures, power failures, weak battery status.
- Intrusion sensing uses fiber optic cable
- Interfaced to other PPK Technology solutions (ie. CCTV, Access Control, etc)
- Monitoring area can be expanded to add more secure zones and subzones
- PeriGuard software generates alarms, stores transactions in event database and generates custom reports.
- Ideal solution for airports, military facilities, commercial areas, correctional facilities, warehousing, border monitoring and others.

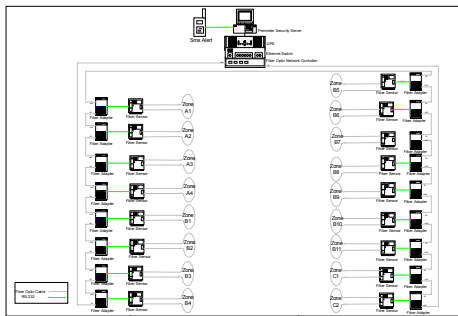


Figure 1: Sample PeriGuard Schematic

Specifications

Model Number	IC5418-D
Standards	IEEE 802.3, H.323, H.263, H.261
Video Compression	MPEG4, MPEG2, MJPEG, Wavelet, Delta
Ports	RS-232, RS-485, SCSI, BNC, Dry/Wet, Contacts, 10Base-T, 10Base-FL
Cabling	RG-59, RG-11, RG-6, UTP, Cat5e, multicore, PVC/SWA/PVC, multimode or singlemode fiber and sensing cable
OS Support	Windows 2000/XP
Network Protocols	IEEE 802.3, TCP/IP

Environmental

Dimensions (W x D x H)	Based on equipment used
Operating Temp.	32°F to 104°F (0°C to 40°C)
Storage Temp.	-4°F to 158°F (-20°C to 70°C)
Operating Humidity	10% to 85%, Non-Condensing
Storage Humidity	5% to 90%, Non-Condensing

PPK Technology Sdn Bhd (47508-D)
Wisma PPK,
Lot 2354, Jalan Sungai Putat,
Batu berendam, 75150 Melaka, Malaysia.

Tel: +60 (6) 317-6828
Fax: +60 (6) 317-6854
E-mail : ppktech@po.jaring.my
Website : <http://www.ppktech.net>

PPK Technology products are available nationwide in Malaysia or overseas through selected agents. Products can be supplied, installed, configured and tested by PPK Technology or an approved contractor. For a complete list of products and services available and technical support staff, contact our office or visit our worldwide web at <http://www.ppktech.net>

Minimum Requirements

There are no minimum requirements although general pointers are as follows: -

- Fence needs to be inspected prior to submitting proposal
- Identification of secure zones to be monitored
- Special concerns regarding purpose of the system highlighted.

Package Contents

Depends on customer application however it generally consists of: -

- Fiber Intrusion Sensors, Communication Adapters, Network Controller and Cabling
- PeriGuard Software
- Control Center Equipment
- Other peripheral control systems

PERIMETER SECURITY SYSTEM

Providing Perimeter Security Solutions for Any Environment



The Perimeter Security System or PeriGuard provides intelligent control over a security fence divided into various zones and subzones. Each zone is represented in the control center PeriGuard software as a marked area that produces alarms and can trigger alarm outputs to third party control devices such as PTZ cameras, revolving lights or siren alarms. The history and record of alarms are then stored and can be retrieved and presented as reports to the end user.

At the control center, the PeriGuard software features a site-map oriented graphical user interface of the secured area indicating zones covered and a clickable zone tree-list, alarm listing and details, action list and login user profiles. Using PeriGuard, the end-user can monitor vibration on the fence indicating intrusion, unauthorized opening of any RTU controller, communication failure to the secure zones, power failures and weak backup power supply status. The software also features alarm response and acknowledgement.

Alarms detected can be configured to trigger revolving lights and sirens both at the remote site and at the control center and the security personnel can communicate with the intruder using a wireless/LAN based intercom . If the alarm is not acknowledged after a time-out period, SMS alerts can be transmitted to designated handphone numbers . Alarms feature a pop-up alarm message, a pre-recorded audio warning , flashing zone map on the GUI display and if it is integrated with a CCTV system, a pan/tilt/zoom camera shall automatically focus, zoom and record the intrusion detected zone.

Generally, for above ground applications, each zone is monitored using fiber sensing cables attached to the fence in a conduit. The sensing cable is fed to a fiber intrusion sensor and a fiber communications adapter. The network of fiber adapters are controlled using a fiber network controller. Underground perimeter security sensing require different cabling and set up procedures.

Monitors intrusion, vibration, fence cutting and tampering

using fiber optic sensor technology

Fiber network controller allows future zone expansions

Comprehensive function with PeriGuard Software

PPK Technology Sdn Bhd