PERIMETER SECURITY MANAGER
SECURITY MONITORING AND CONTROL SYSTEM

SOUTHWEST MICROWAVE

ADVANCED, FULLY-INTEGRATED PERIMETER SECURITY MANAGEMENT

Perimeter Security Manager is a real-time, Windows®-based security monitoring and control system that provides the ultimate in integration capabilities, reliability and ease of use. The system is ideal for facilities seeking to integrate and manage numerous perimeter security devices across single or multiple locations.

Perimeter Security Manager monitors, displays and controls Southwest Microwave's complete range of perimeter detection sensors, including all INTREPID™ MicroPoint™ and MicroTrack™ intelligent systems. Perimeter Security Manager also administrates a wide range of contact-closure auxilary security devices, and facilitates high-level interface to CCTV cameras, digital video recorders and monitors.

Perimeter Security Manager features hierarchical operation, multiple site control, multiple user workstations and remote system access via password-protected TCP/IP protocol.

With extensive expansion potential and quick-configure site plans, this unique, flexible graphic user interface (GUI) offers a scalable solution for the successful management of an organization's current and future perimeter security programs.

KEY FEATURES

- 'PLUG AND PLAY' INTEGRATION OF SECURITY DEVICES

- INTUITIVE, ICON-BASED GUI WITH OPTIONAL TOUCH-SCREEN CONTROLS

- HIGH RESOLUTION GRAPHICS

- LIVE VIDEO AND GRAPHIC MAPS ON SINGLE DISPLAY

- POWERFUL, REDUNDANT MIGRATING SERVER

- CUSTOMIZABLE SCREENS AND EVENT PROCESSES

- SCALABLE, WINDOWS®-BASED TCP/IP ARCHITECTURE

- EASY SYSTEM CONFIGURATION AND TRAINING

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ADVANCED SOFTWARE TECHNOLOGY

Perimeter Security Manager employs advanced software technology to enable robust alarm handling and reporting capabilities. These include definable user levels and access, programmable alarm and action scenarios, programmable CCTV tours and comprehensive database log files that provide detailed audit trails of operator activity or alarm events.

INTUITIVE GUI AND EASY SITE NAVIGATION

The system's user-friendly GUI lets system operators relate efficiently to their facility by incorporating intuitive, high-resolution 2D graphics, text acknowledgments and real-time active icons that clearly indicate device location and status. Users can navigate a site quickly and easily via 'portals' – customizable links to more detailed views of specific buildings or areas of the facility being monitored and/or controlled.

AUTOMATED ALARM HANDLING CAPABILITIES

The protection of lives and assets is an ever-increasing concern, and it is critical that emergency situations are handled swiftly and correctly. With Perimeter Security Manager, the guesswork is removed. Operators are notified of an incident as it occurs, and supplied with clear, on-screen event handling instructions - pre-programmed by system administrators for each type of alarm or action.

HIGH SECURITY MIGRATING SERVER

Perimeter Security Manager offers a unique, secure method of networking workstations. The system features a high security 'migrating server', which allows one or more workstations to become a back-up master PC within the hierarchy of the network configuration. This ensures database integrity and maintains control of all security equipment connected to the network via Ethernet or serial interface in the event that the master PC is disabled.

SCENARIOS FOR OPTIMAL INTEGRATION

Scenarios are valuable, user-programmable system tools that maximize Perimeter Security Manager's integration capabilities. Scenarios also enable the security management system to make the majority of decisions – reducing the risk of human error. With scenarios, devices being monitored or controlled by Perimeter Security Manager can be linked together and set to trigger a series of events when one or more actions or alarms occurs. For example, if an alarm signal is received, cameras can be switched to a pre-programmed location, a pager message sent to security personnel, gates opened or closed, and video activated to capture the incident in real time.
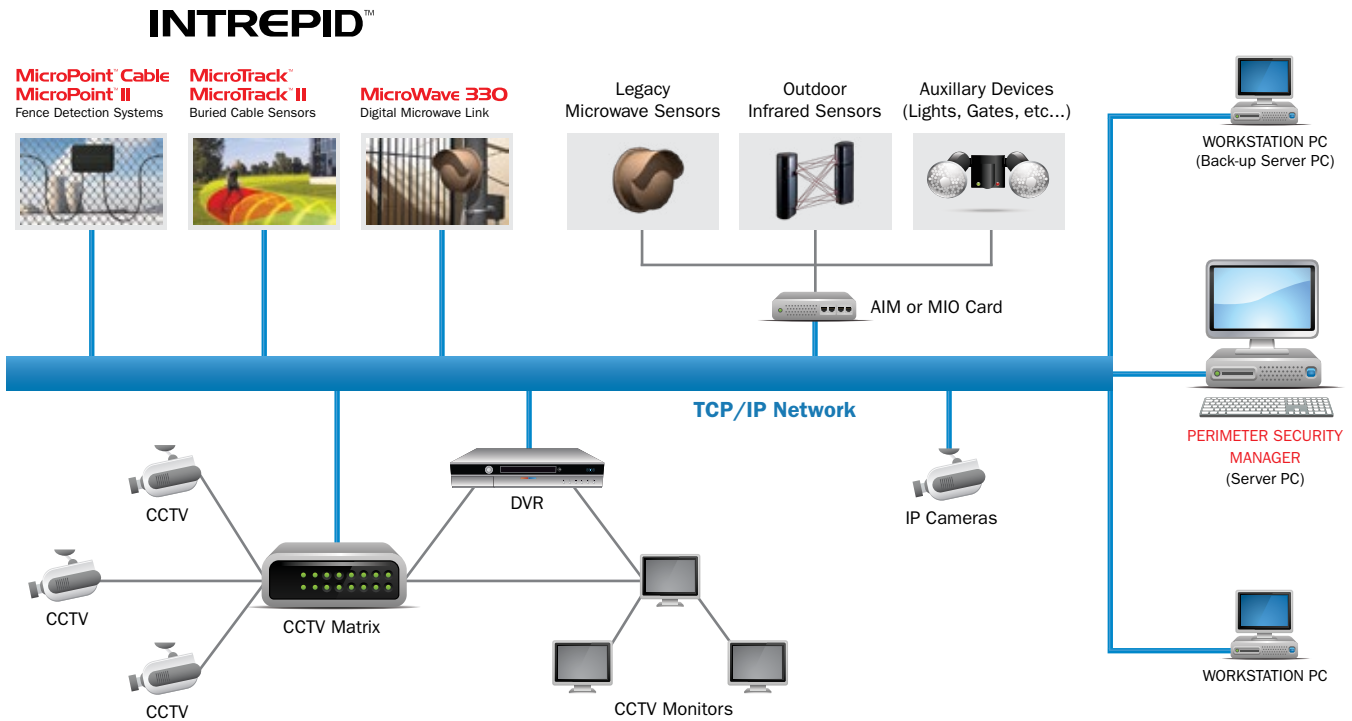

Site graphics and live video on single display.

Easy site navigation via "portals".

View live video full-screen while still incorporating site graphics and system controls.

EXAMPLE CONFIGURATION DIAGRAM

By successfully integrating perimeter detection and CCTV assessment, Perimeter Security Manager achieves comprehensive site protection for even the highest security applications.

PERIMETER SECURITY MANAGER SOFTWARE DRIVERS

The following is the current list of drivers available for the Perimeter Security Manager. Check with Southwest Microwave for drivers of equipment not listed.

CCTV MATRIX

SYNECTICS: PC232 Interface for X 2600 SERIES

BBV: TX1000, TX1500

ERNITEC: SYSTEM X (LON 1141, 114CX, 1141SX)

BOSCH: TC8000, 8500, 8600, 8700, 8800 ALLEGIANT

VIDEO BLOX: All ranges with Revision 3 protocols

PELCO: CM 6800/6700/9740

COE: TW 16PC, TLU 16PC TELECOMMAND

MOLYNX: TTX 309 (DCCON and TTX309 Interfaces) and PCCON

TECTON: DRAX (Multiplexer)

DEDICATED MICROS: BX2 (Multiplexer)

MEYERTECH: ZONEVU-SDK (ZSC-250SDV) Interface

VICON: All ranges from 2002

AMERICAN DYNAMICS: AD1024 MEGAPOWER II CPU

BAXALL IP CAMERA: GTN AP1 Protocol

LEDERER: Various models

BAXALL: ZTX80 TELEMETRY

MAXPRO: MAX 1000

PANASONIC: WJ-MPU955A, SX850 MATRIX with RT416 DVR, SX650

VIDEO MANAGEMENT SYSTEMS

PELCO: ENDURA

* Switches cameras to monitors only

DVR

NICE/FAST: ALPHA BLUE and SILVER RANGE

ERNITEC: 6000 SERIES DIGIOP

DVTEL: LATITUDE SDK (Visual Basic)

PETARDS: PI VISION SDK

PELCO: DX8x00

SYAC: DIGIEYE

AMERICAN DYNAMICS: INTELLEX

VIGILANT: ENTERPRISE ELITE

VISIMETRICS: FASTAR and OCTAR

COVI TECHNOLOGIES: COGNITIVE VIDEO DVR@4

GEUTEBRUCK: MULTISCOPE II

BOSCH: 700 SERIES

CODEC/IP CAMERAS

COE: X Class codec G2/3 full interface with Quad Video streaming, Audio and I/O

INDIGO VISION: CONTROL CENTRE INTERFACE* and Pelco Keyboard functionality

AXIS: IP

BAXALL: IP

PERIMETER SYSTEMS

SOUTHWEST MICROWAVE: INTREPID™ MicroPoint™ Cable Fence Detection System

SOUTHWEST MICROWAVE: INTREPID™ MicroTrack™ Buried Cable Detection System

SOUTHWEST MICROWAVE: INTREPID™ Polling Protocol II (IPP II) Sensors and Devices

PERIMETER SECURITY MANAGER SPECIFICATIONS

SYSTEM REQUIREMENTS

PC Minimum Requirements:

Processor: Pentium® / Celeron®, 2.8 GHz

Operating System: Windows® 2000, XP Professional, 7

Memory: 512 MB of Ram

Hard Disk: 40 GB Hard Drive

CD-ROM Drive: 16x or faster

Video: 64 MB graphics card (1024 x 728 min.) with video input

Sound Card and Speaker

Ports: 1 Serial, 1 Printer

Monitor: 17 in. or larger SVGA (XGA recommended)

Ethernet Adapter: 100 Mb network port

PCI Slot: (required)

HARDWARE OPTIONS

62A16055-A01

8-Port RS232 Serial Expansion Card

Required for systems with two or more serial connections to hardware

62A16056-A01

4-Port Serial to Ethernet Rocket Hub

Used for Migrating Server

62A16058-A01

Video Graphics Card for PC - NTSC Format

(128 MB display memory)

62A16059-A01

Multi Input/Output Card

Allows RS-485 communication with auxiliary security devices: (8) relay inputs, (4) relay outputs

62A16060-A01

Network Card for Multi Input/Output Card

RS-232/RS-485 network controller for up to 32 MIO cards (Required for each network)

DRIVER OPTIONS

Perimeter Security Manager is available with the following driver options:

DO-MP MicroPoint™ Cable System Driver

DO-MT MicroTrack™ Cable System Driver

DO-MA One CCTV Matrix and Multiplexer Driver

DO-IO Multiplexer Input/Output (MIO) Card Driver

DO-IPP II INTREPID™ Polling Protocol II

DO-IPC IP and Codec Camera Driver

GRAPHICS

Customer may supply site-specific high-resolution graphics in .bmp format. If required, graphics development and/ or modification is available. Consult factory for custom quotation.

HOW TO ORDER

System configuration and drivers are dependent on individual project requirements. Consult your Southwest Microwave Sales Representative to review your site specifications.