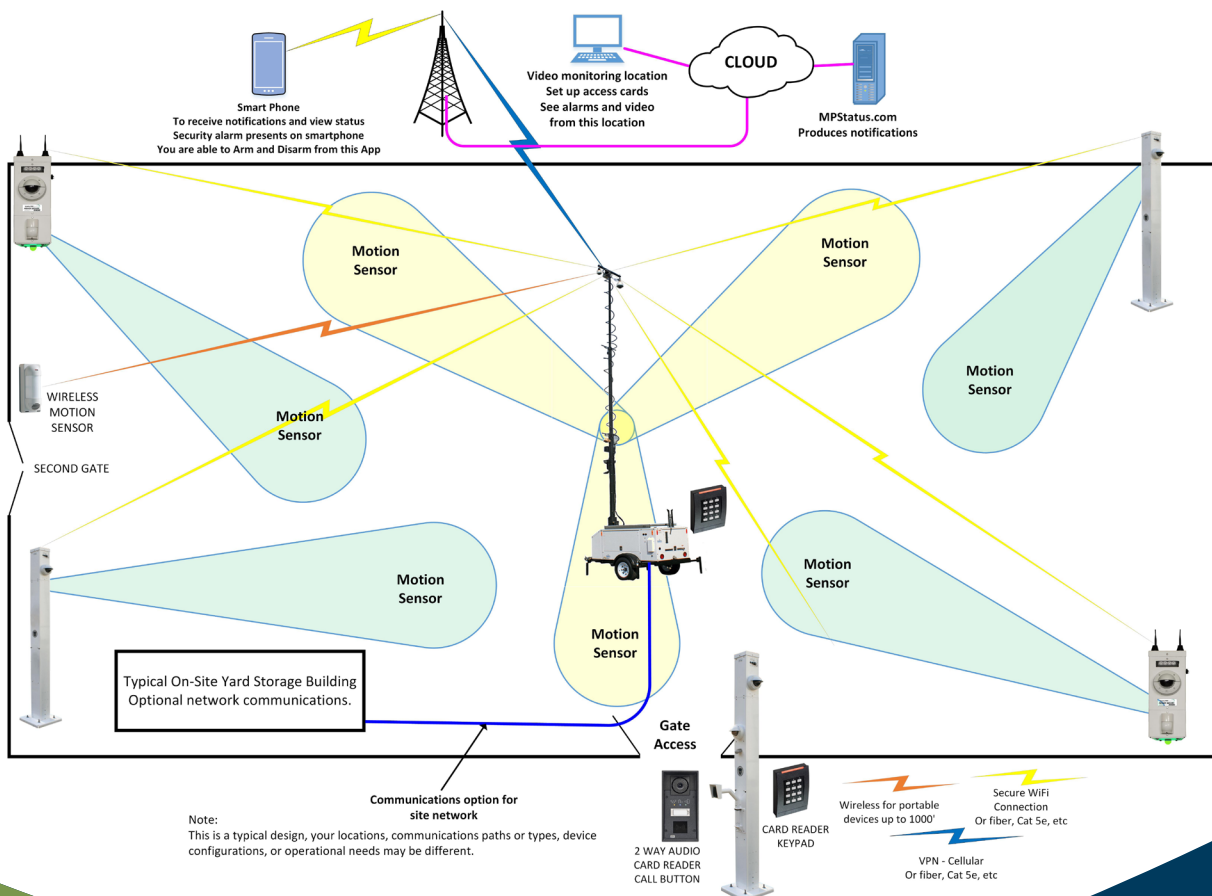# MPS DEFENSE SYSTEM

DEFEND YOUR SITES BEFORE DAMAGE IS DONE

Mobile Pro Systems (MPS) products come together to offer an outstanding collection of reliable site monitoring solutions that work together as a group at a single site. The products are designed to act as an overt, easy to install monitoring and deterrent system, allowing the protection, deterrence, and notification of exceptions to help protect a site.

Each of the MPS products; Surveillance Trailer, Power Sentry, Sentinel and Gate Sentry all incorporate the MP Status and Control System. By default, each device works independently, but when placed on the same network, they all operate as a group even if not connected to the internet. Industry standard cameras and motion detection devices are used throughout the system. The MPS Defense System provides the hardware platform to integrate with your preferred technologies and adds a sophisticated, easy to use monitoring and control system that offers local deterrents and notifies users of events.

Smart Phone
To receive notifications and view status
Security alarm presents on smartphone
You are able to Arm and Disarm from this App

Video monitoring location
Set up access cards
See alarms and video
from this location

CLOUD

MPStatus.com
Produces notifications

Motion Sensor

Motion Sensor

Motion Sensor

WIRELESS MOTION SENSOR

Motion Sensor

SECOND GATE

Motion Sensor

Motion Sensor

Motion Sensor

Motion Sensor

Typical On-Site Yard Storage Building
Optional network communications.

Gate Access

Communications option for site network

Note:
This is a typical design, your locations, communications paths or types, device configurations, or operational needs may be different.

2 WAY AUDIO
CARD READER
CALL BUTTON

CARD READER
KEYPAD

Wireless for portable devices up to 1000'

Secure WiFi Connection
Or fiber, Cat 5e, etc

VPN - Cellular
Or fiber, Cat 5e, etc

FUNCTIONAL OPERATIONS:

- A user will arm the system using a local card reader, web security portal, or cell phone application. When the site is armed locally, the user has 30 seconds of exit delay time to leave the site. The security status indicators will be flashing yellow during this exit delay time. The system is now armed and is set to sense activities at the site using motion detectors and optional video motion detection. The security status indicators display yellow for "Armed" status.

- On a detection event:

    a. Site will be placed into an "Alarm" status

    b. The system will trigger pre-selected deterrent lighting and audio

    c. The security status indicators are displaying red

    d. The device that sensed the motion will be flashing red.

- The deterrent operations will continue in the "Alarm" state for a configurable amount of time or until a human clears the alarm.

- The system will automatically return to an "Armed" state and all security status indicators return to yellow.

- To disarm the system, a local user will have 30 seconds to disable the system before notifications are sent or VMS is triggered. All "entry delay" events are still recorded and sent to a log.

- If there is live monitoring, and it has been determined that it is a false event with video verification, the site can be "reset" remotely, taking the system from "Alarm" status back to an "Armed" status.

NOTIFICATIONS:
Notifications are securely transmitted to the MP Status cloud server over an encrypted connection. The users configured to receive security notifications will receive them via email and SMS with information to help verify the trigger event.

DETERRENTS:
The objective is to detect and proactively deter intruders before they can cause damage. By default, the MPS Defense System is designed to be an overt system. Video camera systems alone do not deter. This is a proactive deterrent system that lets intruders know that their presence has been detected.

STANDARDS:
The MPS Defense System is a collection of technologies you already use, in a more efficient package that can be incorporated into your internal standards. Imagine, the same products at each site, all with a common design that work independently, or as a group. The modular design of the system will allow it to be easily moved and used at another location without complicated installations or configurations.

SYSTEM INTEGRATION AND FLEXIBILITY:
You may already have a VMS (Video Management System) and our hardware interfaces directly with your current system. Cameras will continue to operate as they do now. This system offers the ability to record locally and interacts with the MPS Defense System. The system can integrate with any VMS system; examples are Genetec, Milestone, ExacqVision, Salient, Verint, or Avigilon. (Our default is ExacqVision.)

MP STATUS:

The MP Status and Control System is a critical component of the MPS Defense System. It is your portal for viewing all your security information and operating the system. Notifications are originated from MP Status and are divided between system operational events and security events. This system can send notifications to a third party and/or monitoring service for verification.

KEY FEATURES:

- Every device can provide GPS location; allowing you to move hardware without reconfiguration.
- Remotely disable motion detectors that may be generating false alarms.
- Every action is logged with the user, date, time and site.
- System can automatically rearm at nightfall or on a time schedule.

- The system can be configured to use deterrents only after nightfall or on a time schedule.
- Optional live two-way audio to each MPS Defense device is available.
- Security status indicators are daylight visible and located on each device.

Entering fenced sites is far different than a typical building based access control and/or alarm system in which solid doors protect the building. Fenced-in and open sites are obviously more inconsistent and need to be managed/secured differently. The security status lights indicate if the system is armed or disarmed. When an intruder is detected, lights and audio offer an excellent deterrent factor, making intruders acutely aware that their presence is known.

PRODUCT USAGE RECOMMENDATIONS

POWER SENTRY/CAMERA POD
Small weatherproof enclosure to be mounted on pole or structure that provides easy installation with cameras, deterrents, security status indicators, backup battery and communications via fiber, copper or point to point WiFi.

GATE SENTRY
12' monitoring post that provides an access control location and can include cameras, deterrents, motion detection, lighting and audio. This device will allow you to control gates, alarm systems, voice communication, and card access systems. A unique feature is the brake-away arm that helps to avoid damage as a result of vehicles hitting the arm. We can provide up to 2 arms at heights for cars and trucks. Additional automation options are available to indicate when vehicles are approaching the gate.

MULTI CLASS CARD READER AND KEYPAD RPK-40
iCLASSSeos®, iCLASS SE, standard iCLASS, Classic Cards are configured from a web interface, and sites are selected for each user and it communicates direct to the MPS Defense System.

BATTERY OPERATED MOTION DETECTOR
Used to provide full wireless detection and extends the reach of coverage. (Connects to Trailer or Defense Controller – up to 4 devices per site)

DEFENSE CONTROLLER
Used to replace surveillance trailer when there is a temperature controlled building. The Defense Controller securely houses the recording, communications, and control hardware for the Defense System. It mounts on a wall and has tamper detection with reporting.
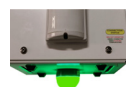
COMMANDER 3400 SURVEILLANCE TRAILER
Offers a significant visual deterrent with overt active deterrents of bright lights, body mounted strobes, and cameras at 36' high. Typically, this is the central collection point of the system. It houses the local recordings from the cameras and collects data from and monitors other technologies at the site.

Because the trailer is mobile, it can be embedded at the site or recommissioned to operate independently at other locations. It has its own power source for long term deployments and offers full remote monitoring of both video and equipment operations.

SENTINEL
This tower system provides the platform for your technologies to be mounted. Towers can be from 10' to 16' tall. Technologies such as cameras, deterrents, motion detection, lighting, and audio can be installed. The added intelligence of the MP Status system connects this platform into the site monitoring system. Each of the units can have battery backup, GPS, full monitoring and reporting of health status, and daylight Security Status Indicators.

SECURITY STATUS INDICATORS
All MPS Defense System devices include a daylight visible Security Status Indicator that provides a clear indication of the site's security status. It also provides a more overt indication to intruders that their presence has been detected.

Security Status Indicator