

# TERRA 4D and SecuriWall M3

Mobile and Modular Monitoring System

extend your view **4D**  
**T E R R A**



## TERRA 4D and Securiton's SecuriWall M3 system offer a modular solution for temporary military and police deployments and construction sites with easy operation, fast set-up, maximum flexibility and mobility.

The solution ensures efficient operations and continuity, permitting customers to focus on their core missions while SecuriWall M3 with TERRA 4D protects people and temporary assets.

FAST Protect designed together with Securiton a highly customizable solution for exploitation and analysis of imagery and geospatial sensor meta data information to describe, assess, and visually depict physical features and geographically referenced activities around mobile camps. TERRA 4D uses advanced geospatial methods to control remote EO/IR, radar and other sensors to gather real-time information about suspicious activities.

The Software Integration Platform TERRA 4D is the new GUI for SecuriWall M3 bringing all services under one umbrella:

- analysis of existing infrastructure of mobile camps
- specific operation requirements
- comprehensive risk analysis
- threat and vulnerability assessments

### TERRA 4D and SecuriWall M3

Reliable:

- All-embracing system solution that unites individual components and manages them using user-friendly software
- Maximum alarm response
- Precise identification of causes
- Guided interventions

Available:

- 24/7 – non-stop
- Ready for operations within hours
- Plug-and-play functionality

Operationally capable:

- If an alarm occurs in a specified area of the monitored zones, the security measures remain fully functional in the other zones
- No losses during shift changeover
- Guided incident reporting

Cost-effective

- Better quality security than that provided by manpower
- Electronics replace costly deployment of security specialists
- Releases manpower resources for your core mission



3  
Get superior situational awareness of your site based on a 3D GIS model.

2  
Take preventive action, improve situation response times and increase operational efficiency.

1  
Aggregate and control all of your Securiwall sensors (cameras, radars, sonars, microwave sensors, drones,...).

## TERRA 4D Features

### Command and Control

Video wall	Support of video walls and multiple screens per desk.
Time machine	Navigate through space and time and see all recorded data (video, tracked objects, PTZ positions,...) time-synchronized.
Flexible GUI layouts	GUI layouts changing automatically or driven by operator. User and situation specific layouts are possible.
Chat messenger	Operators exchange information quick and simple.

### Geospatial Data Management

Geospatial rules engine	Define rules and methods to auto-respond to incidents.
Geospatial data correlation	Any sensor can be used to control other sensors. Alarm verification utilizing multiple sensors.
Geo fencing	Define geographical alarm or warning zones to receive alarms when tracked objects enter or leave such zones.

### Event and Alarm Management

Workflow automation	Intuitive workflows remove operator randomness and reduce stress.
Incident reporting	Support of interactive incident forms. Videos, map views and resources can be linked. Customized design supported via HTML forms.
Escalation and delegation	Escalate alarms to super visor user groups or delegate alarms to other operators for work balancing.
Procedure enforcement	Workflows enforce company's or legal compliance guidelines.
Operator alarm	Operator can select alarm templates and fire alarms at specific locations on the map or directly in the video

### 3D Visualization

Multi Layer GIS with real-time rendering engine	Digital Terrain Model (DTM), Ortho imagery (aerial or satellite images), Street map, 3D buildings.
Object track visualization	Trace object's movement including historical track in 3D GIS model.
Video wall	Live or playback video is "projected" on virtual video walls in 3D GIS model. Camera orientation and view area is shown.
Avatar	Represents a detected object and its class in the 3D space.

### Video

Position dependent salvo	Shows closest cameras to a static or dynamic object location.
Direct PTZ control	Video latency compensating method to control any PTZ camera.
PTZ auto presets	Automatic configuration of all interesting locations in PTZ camera's field of view as PTZ preset positions.
Geo-referenced video	Determine object location (latitude, longitude, height), speed, direction and size directly from video image.
Meta data recording	PTZ head data are recorded.
Multi camera tracking	Follow a moving object even in crowded environments using one or more fix or PTZ cameras simultaneously.
Augmented reality	Augmented reality layer on top of video image display including context sensitive interactions.

### Configuration

Automated set-up	Automated system set-up including sensors, virtual zones, status devices and alarm handling procedures.
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