

Next Generation Communication

“LibertySHIELD”

Airport Security and Network Management

Integrated Security, Surveillance and Network management



Your partner in critical
communication

www.solacom.com

ISO 9001:2000 Certified

Airport Security and Network Management

Zoom in to threatened areas by clicking on video or sensor icon

Monitor potential threats with integrated video and sensors

Contact appropriate authorities quickly by phone, radio or conference with built-in communications panel

The screenshot displays the LibertySHIELD SuperUser session interface. The main window shows an aerial view of an airport with various icons representing sensors and threats. A red circle highlights a specific area on the map. A 'VideoDisplay' window is open, showing a live video feed of a parking lot. On the right side, there is a 'DialPad' with a numeric keypad and a 'Phone Connections' panel showing a list of contacts and their classifications. At the bottom, there is an 'Alarms' table and a 'Radio Connections' panel.

Time Stamp	Severity	Alarm State	Description
2/23/2007 9:46:11 AM	HIGH	NEW	Chemical Warfare Agent detected - level High

Name	Classification
Medical	Level 1
Response	Level 2
Supervisor	Level 3
Police	Emergency

Name	Class	TX	RX
25 MHZ	2	TX	RX

Mobile Operator Positions

Full Voice capabilities



Monitor sensors and video



Annotate and exchange notes in real time



What is LibertySHIELD?

- ◆ LibertySHIELD for Airports
 - **Fuses** information from voice/data/video and sensors into a Common Operational Picture (COP)
 - **Provides** Voice, Data, Video processing
 - **Convergence** of wireline, wireless and VoIP with single number portability and unified voice mail
 - **Interfaces** to a wide variety of commercial and military radios
 - **Synchronized** record/playback of voice data and video
 - **Mobile Operator Positions** available on PDA and laptops
 - **Delivers** carrier class reliability for greater than (99.9999%)

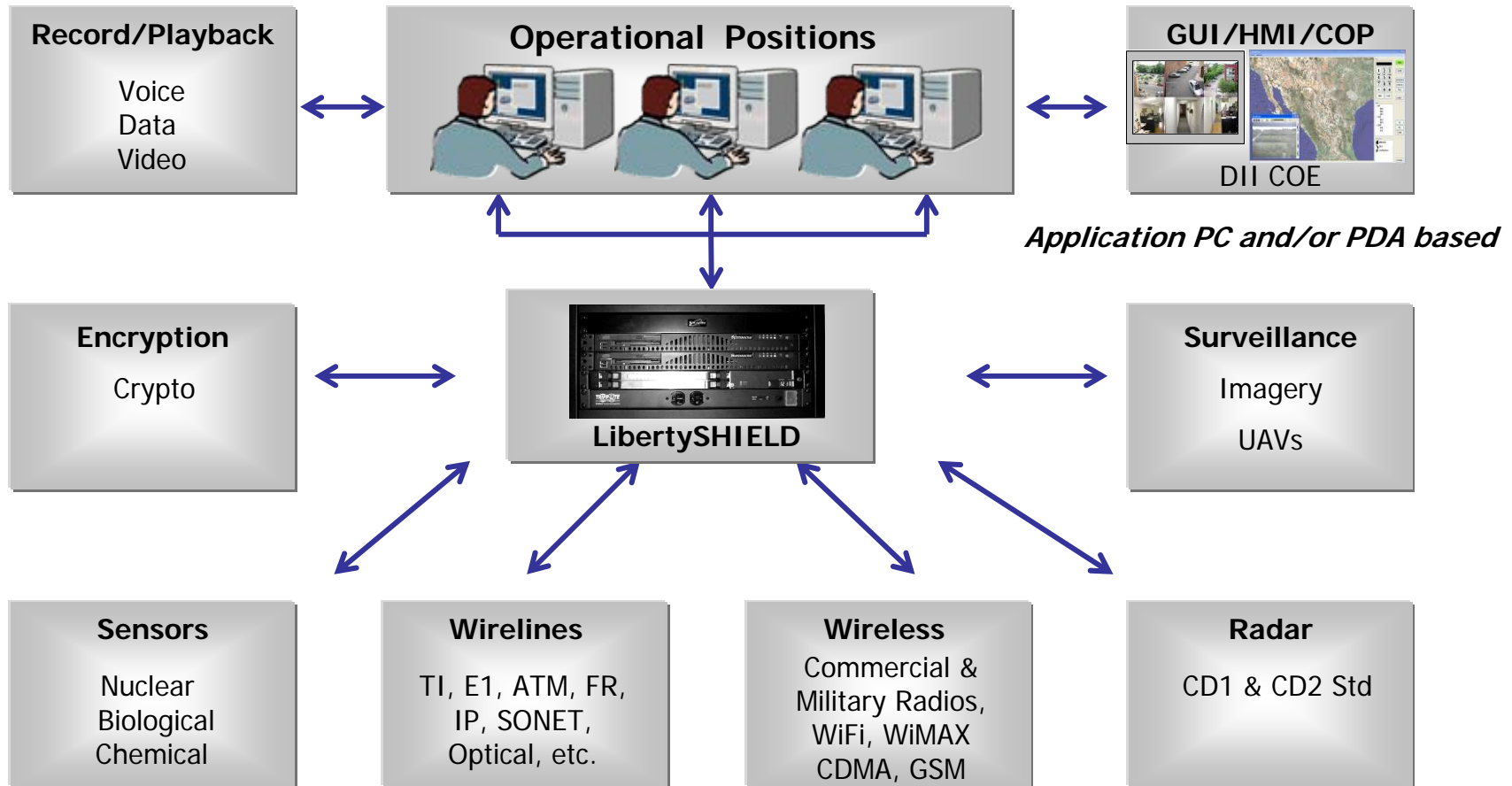
LibertySHIELD provides current needs and offers future proof features (IPv6, VPLS, etc.) : required for interoperability between various mediums.

LibertySHIELD for Airports

Functionality

- Voice, data from sensors (Nuclear, Chemical, Biological, Perimeter, Shock sensing, etc.), and video (CCTV, Infra Red and Satellite) are fused into one Common Operational Picture (COP).
- Supports extensive video analytic features (auto identification, tracking, pattern and object recognition).
- Multiple layer support, for example:
 - > 1st layer will display inside airport
 - > 2nd layer will display exterior airport i.e. car parking, loading/unloading zone, etc.
 - > 3rd layer 3 km around airport
 - > 4th layer 7 km from either directions leading to the airport.
- Each layer will display sensors and videos associated with it. Audio and visual warnings are provided during detection.
- Interfaces to wide variety of commercial radios and land-lines with full call processing support in secure and non-secure mode of operation.
- Provides convergence for unified voice mail and single number portability. (your desk, cell phone and/or radio would have the same number to call)
- Multiple operational roles based on logins.
- All information is recorded using GPS for timestamp and can be played back in a synchronized manner.

Sample LibertySHIELD architecture



Convergence provides unified voice mail and single number portability

Summary of SolaCom's solution

- ◆ LibertySHIELD enables communications interoperability with an open-standard system that includes built-in features such as:
 - Integrated voice/data/video
 - Data fusion with convergence
 - Call processing from wide variety of interfaces
 - Mobile Operator Positions available on PDA and laptops

and helps to:

- **Enhance** Operational effectiveness
- **Simplify** Interoperability with interconnectivity issues
- **Minimize** Capital and operational expenditures

Thank You

Further information

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