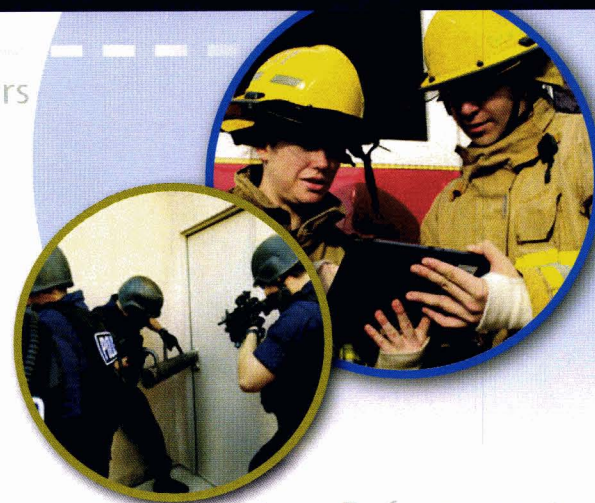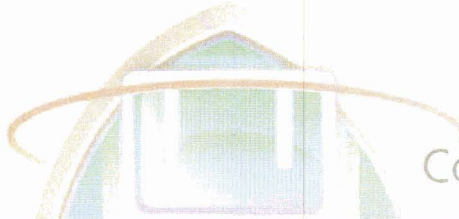Defense First Responders

Event Control

Border Security

Law Enforcement

Counter Terrorism

ForceWatch

Integrating voice, video and data to enhance mission effectiveness

■ **Robust operational control**
Supports planning, maneuver, security, analysis, rescue and training missions for military, police, fire and special security

■ **Network agnostic**
Public or private 4G, WiFi, tactical radio networks

■ **Enhanced situational awareness**
Asset tracking in GPS and GPS-denied environments on the tactical edge

■ **Multi-Echelon information sharing**
Network bridging and adaptable framework allows users to share voice, video and chat from HQ to the individual user

■ **Highly customizable android technology**
Uses the latest open-source Android applications and flexible framework

The ForceWatch™ system by Ultra Electronics, Advanced Tactical Systems (Ultra) increases effectiveness of tactical teams where responsiveness and accuracy are critical.

Using smart devices, individuals and teams communicate securely using voice, video and data.

Resilient and highly responsive mapping enhances situational awareness of the tactical picture, plans and mission updates. Commanders keep up with rapidly evolving situations using frequent position updates, tracking within GPS-denied environments and high-quality full motion video from vehicles and dismounted teams. Commanders transmit decisions and updated mission objectives digitally to reduce ambiguity.

Standards-based communications at all echelons leverages the technology embedded in standard commercial mobile

computing products. The ForceWatch system's flexible network architecture plugs into existing and future mobile networks, easily bridges to legacy tactical networks and is seamlessly augmented with public or private high bandwidth 4G connectivity.
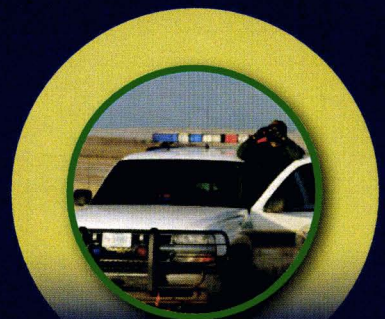
Through its network bridging capability, the ForceWatch system preserves legacy network and radio infrastructure investments.

Ultra
ELECTRONICS

Advanced Tactical Systems

System Advantages

Enhancing situational awareness at the tactical edge

Resilient communications are critical for mission execution. Ultra's ForceWatch is extremely flexible and can leverage established cellular and WiFi networks, integrate into private cellular networks, as well as incorporate tactical radios. Tracking capabilities in ForceWatch are delivered via GPS enabled smart devices and GPS-enabled tactical radios. In GPS denied environments ForceWatch uses proprietary technology to provide commanders information to keep ground forces safe and execute the objective. Mission effectiveness is improved with the ability to submit location-defined intelligence reports and the option to generate locations via Laser Range Finders.

Mobile

- Operates on Android compatible handhelds and tablets
- Shared team map
- Voice, video and chat communications
- Intelligence reporting with positions and photos
- GPS-denied, multi-sensor asset tracking
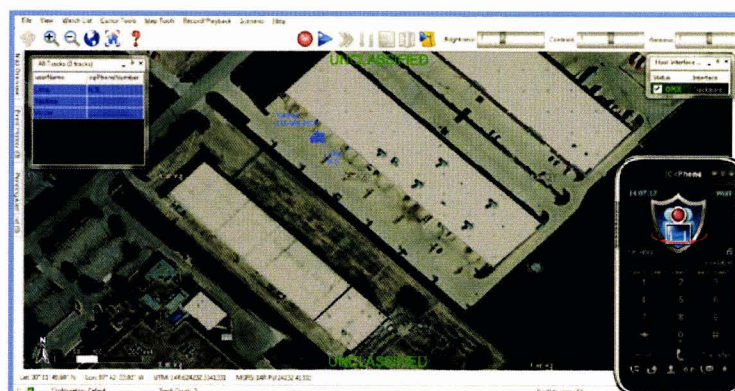
Command

- Control the mission from the Operations Center
- Seamless integration with ForceWatch Mobile on Windows-based platforms
- Voice, video and chat communications
- Create reference points to send to mobile devices
- Advanced de-clutter and filter controls

Server

- Provides an integrated data platform to share information from ForceWatch Mobile and ForceWatch Command
- Deployable on hardware appliances, mobile servers, or custom cloud applications
- Services:
    - ForceWatch
    - Maps
    - Chat
    - VoIP
    - Video Server

Ultra Electronics

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