



TControl

Tactical C4I System



Effective command & control, collaboration and accurate situational awareness across the entire combat team.

An innovative C4I suit for mobile tactical forces, **TControl** provides overall video, voice, and data connectivity between all tactical forces operating within the scene. Utilizing various communication means, without additional hardware, **TControl** is in operational use by a range of special forces and counter-terror units worldwide.



mapping, messaging, files, and images from multiple sources, providing full situational awareness.

A real-time tactical C4I system that covers full mission support from planning to execution and debriefing.

TControl has a modular design that operates on a variety of hardware platforms. Supporting multiple short/long-range communication links and connectivity to assorted sensors. A robust configuration that Integrates live video streams,

Build for

- Special forces
- SWAT and police squads
- Anti-terror teams
- Military tactical units
- Homeland security forces
- Border security & control units
- Municipal security force
- Critical facilities security





Key Capabilities

Mapping & user interface

- ▶ Raster, vector and orthophoto maps, commercial and military formats
- ▶ Real-time performance over low grade platforms with terrain analysis

Navigation & orientation

- ▶ GPS positioning, navigation route planning and execution, target interception, rules and alerts

Mission management (only in Windows)

- ▶ Mission setup consisting of all relevant operational data: routes, targets, events, orders and intelligence
- ▶ Mission shared with all participating units and monitored both in field operation and in command posts

Real-time situation picture (only in Windows)

- ▶ Manual/automatic targets acquisition by sensors (such as LRF devices)
- ▶ Events reporting

Video capture and display

- ▶ Each station acts as a video server that captures and distributes live video to other users located either at the command post or in the field
- ▶ Analog & Digital video sources supported: helmet cameras, day/night sensors, riflescopes, IP cameras, CCTV systems etc.

Mutual data sharing and update

- ▶ All information is fully shared between the system stations at all levels
- ▶ Situation awareness, text messages, graphic orders, files, pictures and video
- ▶ Ad-hoc, serverless architecture enables autonomous operation of disconnected stations and full data synchronization when communications exist

Communication management module

- ▶ Wide variety of communication networks such as tactical radios, satellite communication, Wi-Fi, cellular, Tetra and Ethernet
- ▶ Dynamic routing and automatic multi-hop relay provide mesh connectivity between all stations
- ▶ Built-in AES-256 encryption

Debriefing capabilities (only in Windows)

- ▶ All operational information for each participating unit is recorded and available for debrief

TCONTROL SYSTEM ARCHITECTURE



Highlights

- Management, editing, distribution and collection of data in real time delivering common operational picture
- Blue-force and targets tracking
- Mission execution and control even in hostile, unstable and rugged environments
- Real-time intelligence data generation
- Create action plans and adapt them on the fly to the evolving situation
- Rapid implementation for small or large deployments
- Multiple-level system with superior flexibility and scalability
- Comprehensive set of innovative mapping tools
- Runs on PC's, laptops, tablets and mobile devices



TSG IT Advanced Systems Ltd.

www.tsgitsystems.com

tsg@tsgitsystems.com

+972-3-5483555

