

UHTES

Standoff Through the Wall Radar



Standoff Through the Wall Radar (**UHTES**) is a through the wall imaging system that utilizes Ultra Wide Band (UWB) radio frequency signals to detect living beings beyond walls, obstacles and etc. from safer distances.

UHTES, unique design allows the system to be mounted on Tactical Wheeled Armored Vehicles, Mine Resistant Ambush Protection Vehicles and Armored Personnel Carriers. Thanks to its long range detection and penetration ability, **UHTES** provides a unique capability that estimates locations of living beings hidden indoors, from long distances where approaching target areas are precarious.

UHTES is designed to be deployed for counter terrorism operations, hostage rescue scenarios and border security applications as well as for civilian purposes such as disaster relief efforts, fire incidents and other types of rescue operations.

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Key Features

- Standoff, long range target detection
- Integration to tactical wheeled armored vehicles, MRAPs and APCs
- Steerable antenna system (in azimuth and elevation)
- High range resolution
- High penetration performance for different types of walls and obstacles
- Macro and micro motion sensitivity
- Built-in battery system with capability to be integrated to vehicle power supply
- Moving and static target detection
- Built-in test (BIT) capability
- Protection against jamming
- Warning system for metal-shielded obstacles/walls
- Capability to estimate ranges to obstacles
- Mission log record and playback functionality
- MIL-STD-810 compliance
- MIL-STD-461 compliance
- Record and playback feature
- Wall detection feature
- Built-in test (BIT) feature
- Foreign language support



Technical Specifications

Size (cm)	Antenna unit: 150 x 40 x 40
Detection Distance (m)	35 m (free space)
Motion Detection	Macro and micro motion
Wall Types	Brick, plaster, wood, plastic, drywall, concrete, reinforced concrete
Angle of View (degree)	90
Antenna Unit Elevation and Azimuth Mechanical Control	Yes
Display Type	2D
Screen Size	19"
Power Type	Rechargeable and supply from vehicle mains
Lifespan of Battery (including standby time)	2.5 hours (%50 RF on, %50 standby)
Lifespan of Battery (%100 Operational)	1,5 hours