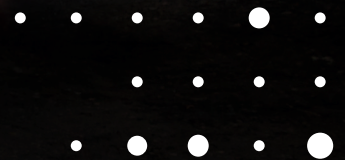




BlueDome™  
Reducing friendly fire





# BlueDome™

## Reducing friendly fire casualties in complex battlefields

### GENERAL

BlueDome™ reduces friendly fire casualties in complex battlefields by promptly and reliably identifying friendly forces and their locations in the battlefield. BlueDome™ operation is based on a lightweight transponder worn by each soldier that transmits coded information such as the soldier's ID and location. An eye-safe, coded laser is directed at unidentified forces and activates their transponders if they are friendly.

BlueDome™ operates independently of any other system, eliminating the need for radio-communications or other navigation devices that could reveal force's location to hostile entities. The system is highly reliable and immune to enemy jamming, misuse or interception.

### INTERROGATORS

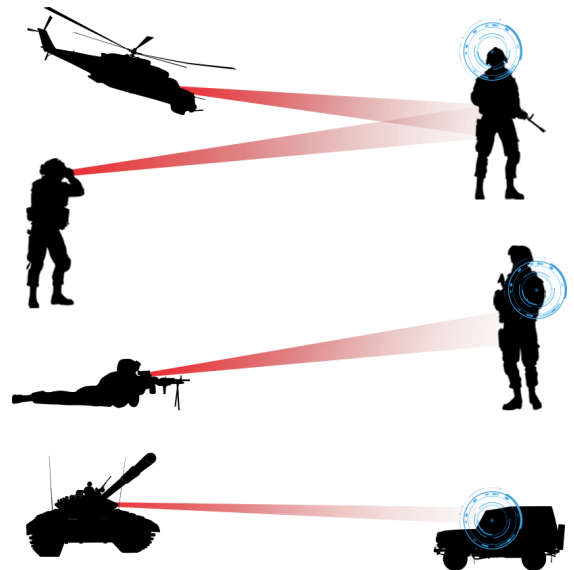
- Can be integrated into a variety of equipment: field binoculars, ground vehicles, helicopters
- Very low probability of interception

### UNIVERSAL TRANSPONDER

- Autonomous operation without user intervention
- Upper arm or helmet mount configurations
- Battery life exceeds four days
- Weighs less than 5 ounces (140g)

### SYSTEM PERFORMANCE

- Line-of-Sight (LOS) and Near-Line-of-Sight interrogation
- NLOS interrogation uses scattered laser signals: identifies friendly forces hidden inside rooms, in alleyways or behind camouflage nets



BlueDome™  
transponder



BlueDome™  
interrogator

