



Target Acquisition System

Keeping soldiers out of harm's way

Octagon Systems was awarded for having the highest reliability subsystem in the ITAS program.

Application:

ITAS (Improved Target Acquisition System) was designed to provide an advanced fire control system, significantly increasing target detection, acquisition, recognition and engagement ranges. This long-range target finder, mounted on Humvees, helps keep soldiers out of harm's way. It is highly mobile and suitable for adverse weather and day or night capability needed by early entry forces. The ITAS features an automatic boresighting capability, aided target tracking, embedded training, BIT/BITE, and traversing unit modifications. These features ensure crew survivability through increased standoff range and improved performance in the battlefield environment.

Key factors in selecting an Octagon single board computer:

- Reliability
- Wide temp range
- High shock and vibration rating
- Proven field hours

Solution:

Octagon's single board computer was chosen for this application for its millions of proven field hours. Reliability is critical in missions, and the board's 24/7 operation made it ideal for the application. The finder calculates and locates the target using precise GPS coordinates. Firepower can be dialed in to exact targets.