

United States Army
Redstone Technical Test Center (RTTC)

What We Do

Sensors and Seekers

RTTC provides cradle-to-grave support for the testing and evaluation of sensors and seekers throughout the Electro-Optical (EO), Infrared (IR), Radio Frequency (RF), microwave, acoustical, and Millimeter Wave (MMW) spectrums. The Center has capabilities for field and laboratory testing of imaging and nonimaging sensors and seekers used for manual/autonomous/semi-autonomous/command-to-line-of-sight applications. Customer applications include the following: missile warning sensors, surveillance, reconnaissance and target-acquisition sensor suites, fire control systems, range finders, designators, driving/pilotage sensors, as well as missile integrated seekers and guidance sections.

Primary Services and Capabilities

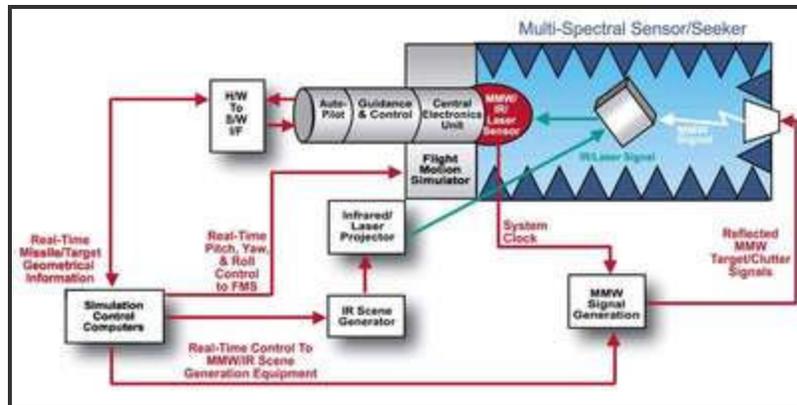
- EO/IR sensors and seekers (Lab Services and Field Services)
 - Laser rangefinders
 - Laser designators
 - Direct-view optic telescopes
 - Visible/TV sensors and seekers
 - Ultraviolet (UV) sensors
 - Near-IR sensors and seekers
 - Mid-wave IR sensors and seekers
 - Long-wave IR sensors and seekers
- Radio-frequency sensors and seekers
- MMWs and microwave sensors and seekers
- Acoustical sensors and seekers
- Multi-Spectral/multimode sensors and seekers
 - Simultaneous IR, MMW, and laser target projection



6 DOF vibration test of integrated target acquisition subsystem

Specialized Facilities and Equipment

- Field testing and ground-truth instruments
- State-of-the-art laboratory facilities
- Climatic environment facilities
- Dynamic environment facilities
- Electromagnetic environmental effects facilities
- Synthetic environments/tools and facilities
- Hardware-in-the-loop facilities
- Human-in-the-loop facilities
- Distributed testing facilities



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