



TerraSStationaryTargetArrayRadiometer

A Broadband Remote Sensing Calibration Source

TerraSTAR is a unique ground system aimed at providing a steady, reliable, and adjustable source of radiation for remote sensor calibration.

FEATURES

Simple yet powerful broadband IR projection allows detection by a wide range of visible, near-infrared, and IR remote sensors

Continuous Day/Night Operation

4 synced and aligned 2x2 arrays of broadband heating elements to produce 24kW of total power

Precisely shaped parabolic reflectors yield a nearly flat profile across a 2.5° half angle cone

Steerable/pointable broadband IR projection with full hemisphere access

Powerful slew drives allow for fast slew rates and rapid retasking

SPECS

Slew Rate:
5°/sec

Single Heating Element Power: 1125W

Total System Output Power: 18kW

Element Temp Range:
Ambient to 1260°C

FUTURE PLANS

Initial Operating Capability expected in Fall 2025 with the deployment of 4 TerraSTAR systems in the Western U.S.

Full Operating Capability expected in Fall 2026 with a constellation of 12 TerraSTAR systems

Market survey underway to determine availability and pricing



Notional TerraSTAR Sites

CONTACT US TODAY

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