

Radar (AN/TPQ-36A [NASAMS]) - On loan

United States

Type: Mobile Vehicle(s)

Commissioned: 2005

Operator: Army

Length: 4 m

Width: 6 m

Crew: 0



Sensors / EW:

- AN/TPQ-36A - (NOAH/NASAMS) Radar, Radar, FCR, Surface-to-Air, Short-Range, Max range: 74.1 km

OVERVIEW: The AN/TPQ-36A is a mobile, 3-D, Low Altitude Surveillance radar operating in the I Band.

DETAILS: The AN/TPQ-36A radar is a pulse Doppler system. It is typically trailer mounted and towed by a 4x4 truck. It is capable of tracking up to 60 targets. Weapon systems associated with the AN/TPQ-36A include the NASAMS and NOAH SAM-missile.

Specifications:

Frequency: 8-10 GHz (I Band (NATO), X Band (IEEE))

Power output: unknown kW(average); unknown kW (peak)

PRF: unknown Hz

Accuracy: 30 m (range), 0.2 degrees azimuth

On/Off time: unknown

Deploy/Stow Time 10 minutes/ unknown minutes

Detection Range

fighter sized aircraft: 60 km

NOTES: Norway's started upgrading TPQ-36A 2003. This upgrade will convert TPQ-36A into units similar to that of the most recent AN/MPQ-64 Sentinel, high mobile ground-based radar.

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SOURCES: Wikipedia. "NASAMS" Accessed December 2, 2013. <http://en.wikipedia.org/wiki/NASAMS> ; Deagel. "NASAMS TPQ-36A Radars Upgraded" Accessed December 2, 2013. http://www.deagel.com/news/NASAMS-TPQ-36A-Radars-Upgraded_n000000024.aspx ; International Electronic Countermeasures Handbook. Norwood, MA: Horizon House Publications, 2003, pg. 128 ; <http://rbase.new-factoria.ru/missile/wobb/nasams/nasams.shtml>