

Radar (China JY-8 Wall Rust) -

Thailand

Type: Building (Surface)

Commissioned: 1996

Operator: Air Force

Length: 12 m

Width: 12 m

Crew: 0



Sensors / EW:

- China JY-8 Wall Rust - Radar, Radar, Air Search, 3D Long-Range, Max range: 351.9 km

OVERVIEW: The JY-8 WALL RUST is a mobile 3-D air surveillance, target acquisition and interception control radar system operating in the G/H-band.

DETAILS: The JY-8 is capable of tracking 36 contacts. ECCM features include wide band frequency diversity and adaptive frequency change and Constant False Alarm Rate (CFAR).

Specifications:

Frequency: 4-8 GHz (G/H Band (NATO), C Band (IEEE))

Power output: 40 kW(average); 800 kW (peak)

PRF: 365, 500, 600 pps

Range Accuracy: 500 m (range), 0.3 degrees azimuth

On/Off time: unknown

Deploy/Stow Time 120 minutes/ 120 minutes

Detection Range

tgt alt. 100m: unknown km

tgt alt. 18000m: unknown km

Max Range: 350 km

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NOTES: The JY-8 can be employed as the main radar sensor for an automated tactical defense system, or can be used as an independent radar. The system uses advanced signal/data processor techniques and is fully solid state with the exception of the magnetrons and thyratrons of the transmitters.

SOURCES: http://en.wikipedia.org/wiki/JY-8_Radar ; Bussert, James C., and Bruce A. Elleman. People's Liberation Army Navy Combat Systems Technology, 1949-2010. Annapolis, Md: Naval Institute Press, 2011, pg.