

Radar (Bar Lock B [P-37]) -

China

Type: Building (Surface)

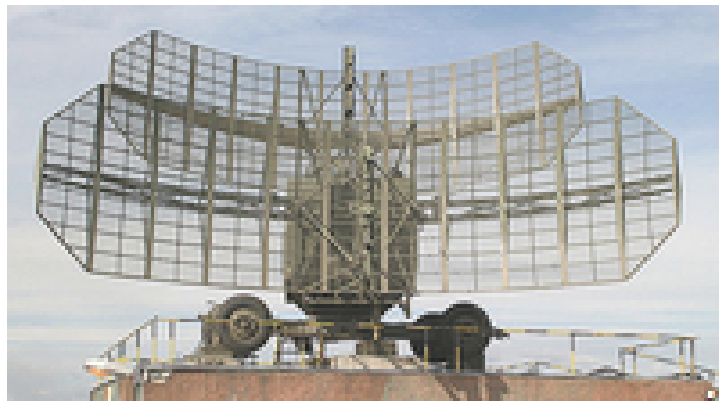
Commissioned: 0

Operator: Air Force

Length: 12 m

Width: 12 m

Crew: 0



Sensors / EW:

- Bar Lock B [P-37] - Radar, Radar, Air Search, 3D Long-Range, Max range: 463 km

OVERVIEW: The P-37 radar (NATO name: BAR LOCK A) is a mobile 2-D early warning and GCI radar operating in the E/F Band.

DETAILS: The P-37 is a mobile, van-mounted mobile radar. It features clutter and asynchronous jamming protection. Weapons systems associated with the P-37 include the SA-5 GAMMON.

Specifications:

Frequency: 2.9-3.5 GHz (E/F Band)

Power output: 0.7 MW (average)

PRF: 375-550 Hz, 375 pps

Range Resolution: 1000 m (range) 1 degree (azimuth)

On/Off time: unknown

Deploy/Stow Time 60 minutes

Detection Ranges, 1 m² RCS target: 205 km

8000m alt.: 350 km (Tu-104 sized target)

NOTES: The Bar Lock series is one of the most widely exported Soviet era radars, and remains widely used especially

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in developing nations. Where low level coverage is required, they are typically supplemented by a SIDE NET radar E-band nodding height finding radar.

SOURCES: "Search and Acquisition Radars (S-Band, X-band)." Air Power Australia. Accessed March 15, 2015.
<http://www.ausairpower.net/APA-Acquisition-GCI.html#mozTocId988415> ; "P-35/37 / BAR LOCK."
GlobalSecurity.org - Reliable Security Information. Accessed March 15, 2015.
<http://www.globalsecurity.org/military/world/russia/bar-lock.htm> ; "BAR LOCK Radar - Encyclopedia Article -
Citizendium." Citizendium, the Citizens' Compendium. Accessed March 15, 2015.
http://en.citizendium.org/wiki/BAR_LOCK_radar ; http://www.roaf.ro/en/dotare/p37_en.php