

Radar (AN/FPS-100) - 1x + 1x AN/FPS-89

Israel

Type: Building (Surface)

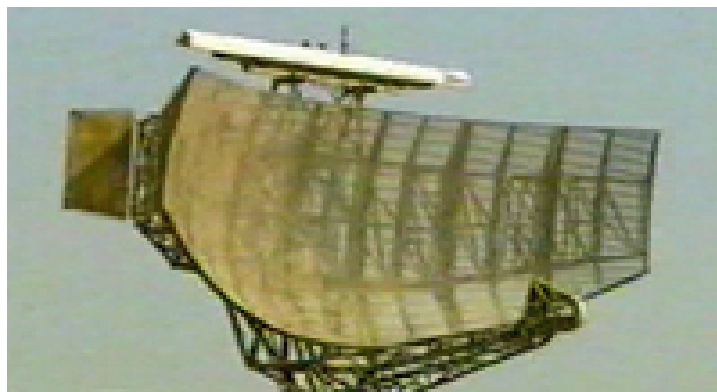
Commissioned: 0

Operator: Air Force

Length: 12 m

Width: 12 m

Crew: 0



Sensors / EW:

- AN/FPS-100 - Radar, Radar, Air Search, 2D Long-Range, Max range: 426 km

OVERVIEW: The AN/FPS-100 is a fixed, 2-D early warning and ground-controlled interception radar system operating in the "D" Band

DETAILS: The AN/FPS-100 is a modified AN/FPS-20.

Specifications:

Frequency: 1250 to 1350 MHz (NATO D Band)(IEEE: L Band)

Power output: 6 KW (average); 2.5 MW (peak)

PRF: 350 Hz

Range Resolution: 1.85 km (range), 1 degree (azimuth)

On/Off time: unknown

Deploy/Stow Time N/A

Max Range: 322 km

NOTES: The radar family started with the AN/FPS-3 in 1950. The AN/FPS-100 is a modified AN/FPS-20, created by modifying the FPS-20 with a new digital moving target indicator (MTI) system to create the AN/FPS-100 and FPS-100A. The AN/FPS-100 was also upgraded to include a new antenna and a low noise front end. Users include India, Chile, Thailand, Israel and Argentina.

SOURCES: Wikipedia, the Free Encyclopedia. Accessed March 21, 2015.

http://en.wikipedia.org/wiki/Bendix_AN/FPS-20 ; <http://fas.org/nuke/guide/usa/airdef/an-fps-20.htm> ; Bendix Corp,

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"AN/FPS-20Q Radar, Oceana NAS,"

<http://www.radomes.org/museum/documents/NAS%20Oceana%20%20AN-FPS20%20Description.pdf> ; "Radar Basics - AN/FPS-20." Grundlagen Der Radartechnik. Accessed April 5, 2015.

<http://www.radartutorial.eu/19.kartei/karte814.en.html>. ; "USAF Air Defense Radar Equipment." Radomes, Inc. - The Air Defense Radar Veterans Association. Accessed April 5, 2015. <http://www.radomes.org/museum/equip.php> ; Chuck Greenslit, "Bendix Radio Radars",

<http://www.bendixradiofoundation.com/documents/Bendix%20Radio%20Radar%20History.pdf> ; "RADAR." Radomes, Inc. - The Air Defense Radar Veterans Association. Accessed April 5, 2015.

<http://www.radomes.org/museum/equip/fps3tree.html>.