

WALL-RP1



RIMCO Wall-RP1 Unmanned Radar Picket Helicopter

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Specifications

Engine: PBS TS100

Engine Power: 240 HP

Rotor Type/ Rotor Blades: co-axial / 2 x 3

Fuel Capacity: 350 liters

Flight Time: 3,5 hours (standard configuration)

Flight Range: +450 km

Cruise Speed (max): 320 km/h

Flight Altitude (max): 3'000 meter

Dimension: see fig

Weight: 900 kg;

Take off mass: 1450 kg;

Payload: 550 kg

Radar with AESA Specifications

Detection Range: up to 60 km

Antenna Types: Active Electronically Scanned Array (AESA)

Radar Frequency Range: L-band

Radar Max Power Consumption: ≤ 800 W

Antenna Rotation Speed: 15 or 30 RPM

Scanning: mechanically rotating 360 degrees in azimuth.

Weight: 150 kg

AESA Size: 1.2 m $\times$ 0.8 m

Anti-Jamming Data Link Terminal Specifications

Frequency: 50-12000 MHz (user selection)

Spread Method: DSSS+FHSS+Cognitive Radio

Duplex Mode: Time-Division Duplexing (TDD)

Data Link Range (visible):

500 km @ 10 Mbps

300 km @ 25 Mbps

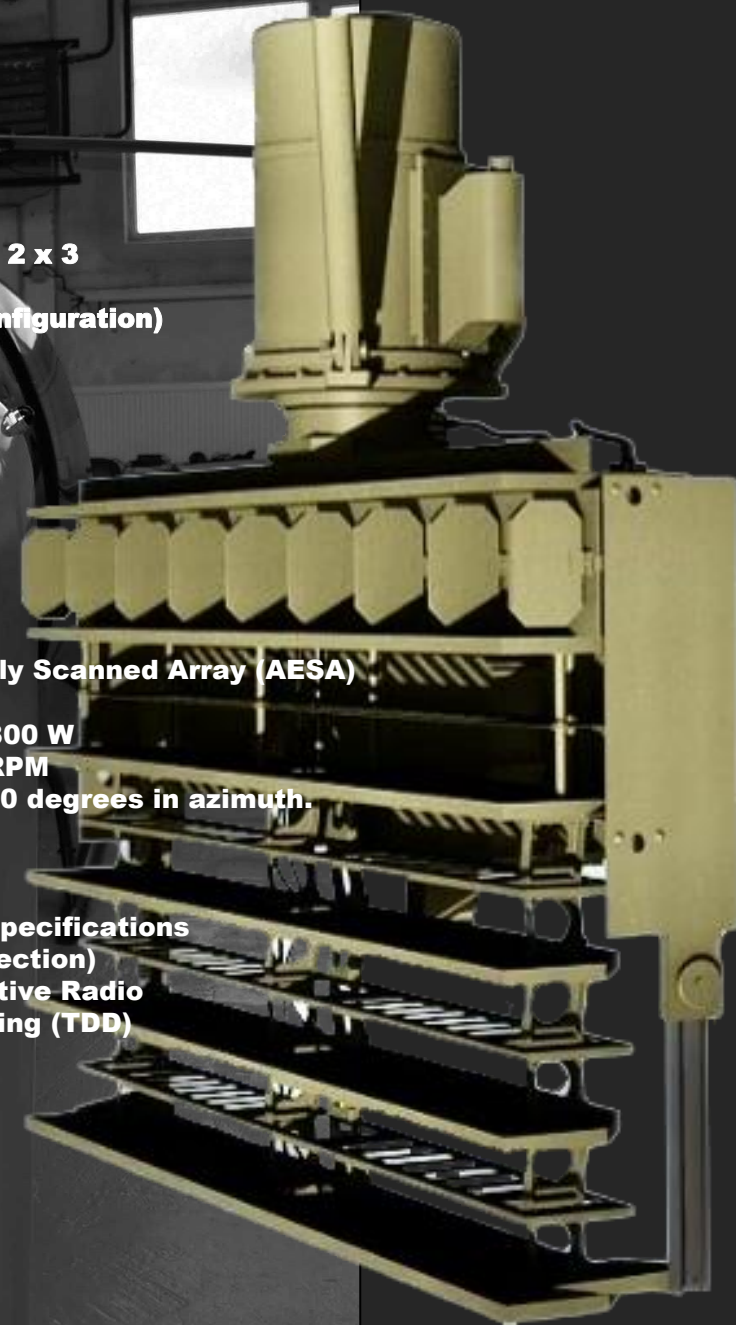
200 km @ 45 Mbps

Operating Modes: Point-to-Point

Power Supply: 50 W

Weight: Approx. 1400 g

Size: Approx. 189 x 78 x 50 mm



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