



ARTILLERIE INRICHTINGEN
ARMAMENTS BV

SPECTARIS SEEKER SYSTEMS
MISSILE SEEKER SYSTEMS

SPECTARIS

ARH-SA

ACTIVE RF HOMING
SURFACE-TO-AIR SEEKER

Active RF seeker subsystem for layered surface- and naval-based air-defence missiles, combining long-range acquisition, agile antenna options and ECCM capability.

ACTIVE RF

LAYERED AD

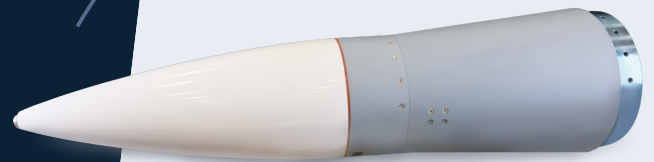
ECCM CAPABILITY

ANTENNA OPTIONS

Gimballed or electronically scanned

SURFACE / NAVAL

Qualified air-defence missile programmes



SPECTARIS ARH-SA | AIA-SKR-ARHSA-MK1

ACTIVE RF SEEKER FOR SURFACE-TO-AIR MISSILES

Artillerie Inrichtingen Armaments BV presents SPECTARIS ARH-SA, an active RF seeker subsystem family developed for surface- and naval-based air-defence missiles across layered air and missile-defence architectures.

The seeker supports long-range target acquisition and high-agility operation in demanding environments up to the hypersonic regime, with gimballed or electronically scanned array antenna architecture, ECCM capability and performance against small and agile targets.

Active RF

AUTONOMOUS TERMINAL SENSING

Layered AD

SHORT- TO LONG-RANGE APPLICATIONS

ECCM

ELECTRONIC PROTECTION CAPABILITY

● Artillerie Inrichtingen Armaments BV - Licensed manufacturing programme in the Netherlands



OPERATIONAL CAPABILITY & SYSTEM ARCHITECTURE

SPECTARIS ARH-SA | ACTIVE RF SEEKER FAMILY FOR SURFACE- AND NAVAL-BASED AIR-DEFENCE MISSILES

SEEKER CAPABILITIES

- Active RF seeker architecture
- Long-range target acquisition
- Layered air-defence application from short range to long range
- Support for air and missile-defence mission architectures
- High-agility operation in demanding environments
- Environmental capability up to the hypersonic flight regime
- High-agility gimballed antenna option
- Electronically scanned array antenna option
- Electronic counter-countermeasures (ECCM) capability
- Performance against small and agile targets

PUBLISHED SYSTEM PROFILE

ACTIVE RF SEEKER ARCHITECTURE

RF front end; antenna assembly; signal processing; tracking electronics; guidance interfaces; environmental structure

MODE

Active RF

APPLICATION

Layered AD

PROTECTION

ECCM

INTERFACE / COMPATIBILITY

missile guidance/autopilot, power, databus and radome interfaces; qualified surface or naval launch and fire-control programme

PHYSICAL

Active RF seeker; gimballed or electronically scanned array antenna architecture according to programme requirements

SURFACE-TO-AIR SEEKER MISSION PROFILE

Acquire and track air threats for autonomous terminal guidance in surface- and naval-based air-defence missile applications.

ACTIVE RF

SURFACE BASED

NAVAL BASED

SHORT RANGE

LONG RANGE

MISSILE DEFENCE

ECCM

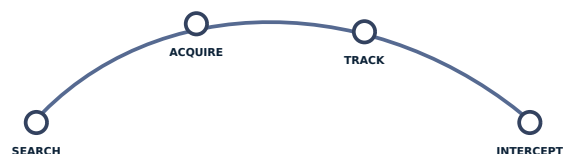
AGILE TARGETS

SEEKER, MISSILE & AIR-DEFENCE INTEGRATION

SPECTARIS ARH-SA combines an active RF front end, a programme-selected high-agility gimballed antenna or electronically scanned array antenna, signal processing and target-tracking electronics with missile guidance interfaces. The seeker is intended for qualified integration with surface- and naval-based air-defence missiles spanning short-range/low-altitude through long-range air and missile-defence architectures. Final geometry, interfaces, spectrum parameters, threat coverage and performance remain programme-specific and subject to qualification.



AEROSPACE GREY ACTIVE RF SEEKER CONFIGURATION



ACTIVE RF TERMINAL-GUIDANCE PROFILE

Published profile: active RF; layered air defence; long-range acquisition; ECCM; two antenna options.

Export/end-user, spectrum, missile-safety, platform, airspace, range-safety and publication approvals apply. Tolerance +/-10%.