

SKYNEX SKYKNIGHT

INNER-LAYER AIR DEFENCE SYSTEM

ADVANCED PROTECTION FOR STATIC AND MOBILE ASSETS

The Skynex SkyKnight Air Defence System (SS-ADS) provides rapidly deployable, comprehensive inner-layer protection against a wide variety of asymmetric and conventional threats, including rockets, artillery shells, mortars (RAM), ballistic bombs and stand-off weapons. Able to track and neutralise up to 80 incoming targets at one time, the SkyKnight Missile System provides protection for static assets, as well as conditional protection for mobile and mechanised forces.

Transportable in 20-foot cargo containers, the system can be deployed statically for long periods of time and then relocated, or permanently installed in a single location.



SPECIFICATIONS

PROVIDES DEFENCE FOR

Static assets: urban areas, buildings, airports, ports, critical infrastructure, forward operating bases

Mobile assets: mobile convoy (conditional), mechanised convoy (limited), front lines of own forces (conditional)

PROTECTS AGAINST

Rockets, artillery shells and mortars (RAM)

Ballistic bombs

Stand-off weapons, including UAVs, precision guided munitions (PGMs), cruise missiles and glide bombs

Conventional threats, including fighter ground-attack (FGA) aircraft and helicopters

SYSTEM COMPONENTS

Oerlikon Skynex Control Node

Up to 4 x Active Electronically Scanned Array (AESA) Multi-Mission Radar (AMMR) surveillance and tracking radars

Up to 4 x SkyKnight Missile Launcher Units (MLU)

60 x SkyKnight Missile Rounds (MR) per MLU

Up to 4 x Oerlikon Revolver Guns (RG) Mk3 with AHEAD airburst ammunition

PERFORMANCE

Intercept ranges

MISSILES

RAM threats: 4,000m

PGM: 6,000m

Rotary wing, UAV and CM: 10,000m

Fixed wing: 10,000m / 8,000m (high g maneuvering)

GUNS

FW/RW: 4,000m

Mortars, small UAVs: 1,500m

RATE OF FIRE

Up to 4 x RG Mk3 guns: 1,000 rounds/minute per gun

Up to 20 x missiles simultaneously per MLU

Up to x 80 missiles in flight at the same time per battery

MISSILE PARAMETERS

Length: 2.2m

Diameter: 115mm

Wing span: 300mm

Mass: 36kg

The HALCON logo features the word "HALCON" in a bold, white, sans-serif font. A small orange horizontal bar is positioned above the letter "N".

HALCON

The RHEINMETALL logo consists of a blue stylized graphic element resembling a folded ribbon or a series of parallel lines, followed by the word "RHEINMETALL" in a white, sans-serif font.

RHEINMETALL

SKYKNIGHT NAVAL MISSILE
LAUNCHER UNIT

DYNAMIC
DELIVERY.
ASSURED
PROTECTION.

A detailed 3D rendering of the Skynex Missile Launcher Unit. The unit is a large, grey, angular structure mounted on a circular base. It features a grid of 21 missile launchers on its upper section and several access panels with handles on its lower section. The background is a blurred image of a ship's deck with other missile launchers visible.

The Skynex Missile Launcher Unit – Naval carries 21 missiles with a 2 per second rate of fire. It can traverse 320° and may be mounted at an elevation of -15° to 75°.

halcon.ae

S P E C I F I C A T I O N S

Number of missiles	21
Rate of fire	2/sec
Traverse	320°
Elevation	-15° to 75°

