



# PRECISION FIREPOWER

## OERLIKON SKYRANGER® 30

### LIGHT MULTI-ROLE AIR DEFENCE SYSTEM

This highly mobile air defence system with integrated active and passive search and tracking sensors is a powerful, autonomous shooter with both gun and missiles. It is capable of engaging modern battlefield threats with a special focus on small unmanned aerial targets. It combines superior firepower with the dynamics and elevation needed to successfully engage highly agile single or swarming targets performing loiter, pop up or dive attacks.

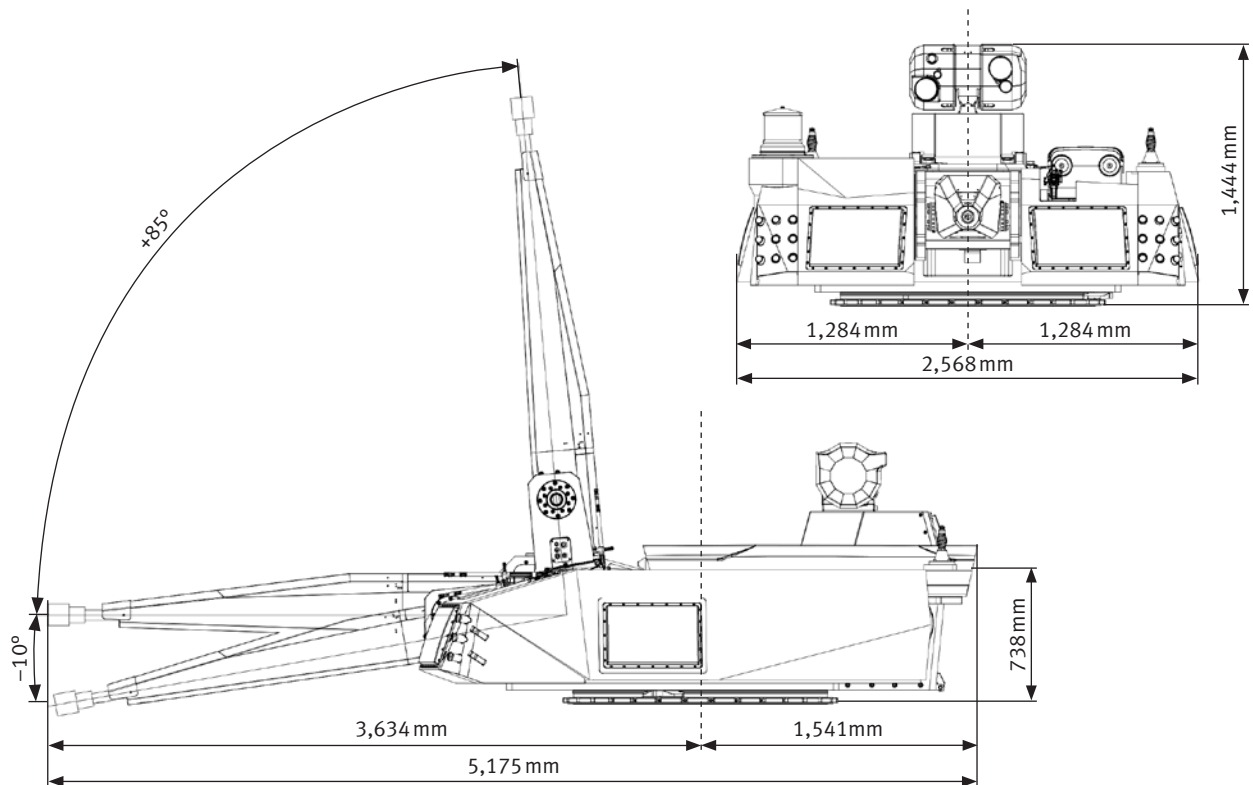
The Oerlikon Skyranger® 30 continuously monitors the surrounding air space with active (3D AESA radar) and passive infrared (FIRST) sensors. In addition to its own air picture, targets from external search radars or higher order control systems are received and processed. The integrated fully stabilized, high resolution electro-optical sensor unit allows reliable target tracking and visual identification. The high level of automatization makes the Skyranger 30 effective and easy to use.

The integrated 30 mm x 173 Oerlikon Revolver Cannon® KCE-ABM provides best of class firepower and accuracy. Combined with the Oerlikon Air Burst Munition (ABM) technology, the gun achieves a high hit probability against the smallest targets. To achieve longer ranges, SHORAD missiles can be integrated.

The remote controlled gun turret has no turret basket and can easily be mounted on current in service vehicles. The gun turret and crew hatch can be protected up to level 4.

#### MAIN FEATURES

- Remote controlled gun/missile turret
- Effective range: up to 3,000 m, with missile 6,000 m
- 30 mm Oerlikon Revolver Cannon® KCE-ABM
- 30 mm x 173 air burst ammunition
- Nominal rate of fire: 1,200 rds/min
- Rapid single shot mode: 200 rds/min
- Integrated 7.62 mm CoAx machine gun
- Ready to fire ammunition: 252 x 30 mm, 1,000 x 7.62 mm
- 2 integrated SHORAD missiles (option)
- Integrated 360° AESA search radar
- Integrated 360° fast infrared scanner FIRST (option)
- Fully stabilized electro-optical sensor unit
- Ku-band or X-band tracking radar (option)
- Ballistic protection: up to level 4 (STANAG 4569)
- 2x 9 Rosy smoke grenade launchers
- Oerlikon Skymaster® C2 system
- Two operator consoles in vehicle (commander/gunner)
- Simple handling and maintenance



## TECHNICAL CHARACTERISTICS

### Cannon

Cannon type	Oerlikon Revolver Cannon® KCE-ABM
Calibre	30 mm x 173
Nominal rate of fire	1,200 rounds/min
Rapid single shot	200 rounds/min
Mean muzzle velocity ABM ( $V_0$ )	1,075 m/s
Mean muzzle velocity full calibre ( $V_0$ )	1,075 m/s
Length of cannon with muzzle base	2,941 mm
Barrel length (80 cal.)	2,126 mm

### Ammunition

Types (NATO code)	
Programmable type	ABM (KETF)
Standard types	HEI-T, FAP, TP-T, APFSDS-T
Number of linked rounds ready to fire	252

### SHORAD missiles (option)

Number of missiles ready to fire	2
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### Gun turret

Weight of gun turret w/o ammunition	1,500 – 2,000 kg
Weight of gun turret with ammunition	1,800 – 2,300 kg
Swept radius (barrel 0°)	3,634 mm
Traverse arc	n x 360°
Elevation arc	-10° to +85°

### Search sensors

3D AESA search radar, S-band or X-band	
Instrumented range	20 km
Spatial coverage	360°, -5°... +85°
FIRST fast infrared scanner	
Spatial coverage	n x 360°, 0°... +18°

### Electro-optical sensor package

TV camera	BW or color, ≥HD, 1°... 30°
IR camera	Cooled MW, HD, 1.3°/4.6°/21.8°
Laser range finder	Eye safe class 1/1M, 5 Hz, 20 km
Video tracker	Optimized for air targets
EO sensor motion vs. gun turret	n x 360°, -15°... +85°

### Tracking radar (option)

Tracking radar (option)	Ku-band or X-band
Radar type	Phase Doppler monopulse, solid state
Instrumented range	20 km
Update rate	50 Hz

### Fire control

Fire control module	GCC30
Automatic target detection, acquisition and tracking	
Shoot on the move for ground targets	

### Operation

2 operator consoles in vehicle (commander, gunner)
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