



# OERLIKON SKYRANGER® 762

## ULTRA-SHORT RANGE AIR DEFENCE REMOTE CONTROLLED WEAPON STATION (U-SHORAD RCWS)

### PURPOSE

The Oerlikon Skyranger 762 is a small, simple to operate and cost-efficient U-SHORAD/C-UAS solution for a diverse range of users.

### CUSTOMER VALUE

- Dedicated All-Arms Air Defence (3AD) solution to meet the massively increasing threat through Class I drones.
- Based on a proven and widely spread weapon system with a very high rate of fire.
- NATO standard calibre delivering appropriate range, interception velocity and best cost-to-kill ratio.
- Simple operation through one person only → resource-friendly, little training need.
- Dual-role capable: Able to provide potent ground combat fire support in case of need.
- Sensor suite design to ensure all-weather mission readiness.
- Platform-agnostic: Can be mounted to various vehicle classes as well as to stationary platforms.
- Skymaster C2 suite allows seamless connection to a Skyranger/Skynex/Skyspotter air defence system.

THREATS	DESCRIPTION
Aerial	UAS NATO Class I
Ground	Dismounts; Soft to light armoured vehicles

## KEY ELEMENTS

<b>Weapon station</b>	Rheinmetall Fieldranger Multi
<b>Weapon system</b>	Twin Dillon Aero M134D Minigun
Calibre	7.62 mm x 51 mm NATO
Range	Up to 1,200m
Ammunition combat load	Each M134D feeds from a 3,000-round magazine; total = 6,000 rounds
Rate of fire	Each M134D fires 3,000 rounds/min (50 rounds/sec); total = 6,000 rounds/min (100 rounds/sec)
<b>Technical characteristics</b>	C-UAS: The Skyranger 762 offers a stowed kill ratio of 7.5:1 against drones (UAS NATO Class I) targets within 700 m
Movement limits	Traverse arc: 130° Elevation arc –5° to +50°
Maximum rotation speed	Traverse 50°/s Elevation 50°/s
Weight	700 kg (combat ready)
<b>Integrated search radar</b>	Echodyne EchoShield 4D radar operating in the Ku-band (tracking on the move) Instrumented range 30 km
<b>Electro-optical sensor package</b>	
Day camera	40x optical zoom; NFOV/WFOV: 1.9°/66° detection up to 9 km
Infrared camera	NFOV/WFOV: 6.7°/20° detection up to 9 km
Laser Range Finder (LRF)	Laser Class 1; Eye safe according to IEC 60825-1; measurement up to 5.2 km
<b>Fire control</b>	Automatic target acquisition, detection and tracking Search and track on the move Gun engagement control
<b>Operation, C2 interface</b>	Safe and wireless control from a single interface Integration with Skymaster C2 interface
<b>Additional information on Skyranger 762</b>	The Skyranger 762 is cross-compatible and engineered as vehicle agnostic RCWS. The Skyranger 762 is a modular system, that can be deployed as a standalone system or integrated to light and/or armoured vehicles; e.g. UGV, pick-up truck and 4 x 4 vehicle and above. The weapon system offers a low cost per kill ratio.
<b>Additional information on Dillon Aero M134D</b>	The M134D is electronically driven, making it virtually recoilless. It is capable of long periods of continuous fire without damage to the weapon, making it an excellent choice not only for defensive but also offensive missions (dual role).