

HALCON

TACTICAL UGV-1

FRONTLINE TACTICAL UGV REVOLUTION.

The 8x8 Tactical UGV is an autonomous, multi-mission vehicle that is designed to operate in a variety of environments and can be configured to suit different mission requirements.

The system is equipped with Hunter SP launcher and the 5IS Remote Control Weapon Station (RCWS). The light weight 5.56 mm caliber is a commonly used round in assault rifles which makes it suitable for use in a tactical UGV, as it allows the vehicle to be more mobile and maneuverable.

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

SPECIFICATIONS

UGV type	8x8 electric vehicle
Weight of UGV (empty)	600-700 kg
Maximum payload	2 tons
Speed	20 km/h
Dimensions	1.5 x 3.1 x 0.9m
Communication	5 km line of sight, 4G/5G + WIFI, Unlimited range using Sims
Power	8,000W

SUB-SYSTEMS INTEGRATED

5IS System

Hunter SP Launcher

UGV RENDER

SPECIFICATIONS

SYSTEM DESCRIPTION

The **5IS Remote Control Weapon Station (RCWS)** is a compact lightweight weapon station suitable for integration onto a UGV platform. The 5IS RCWS is a two-axis, servo-controlled, stabilized gimbal system that provide the report operator with a panoramic view. The systems consists of an optical payload (sight system) and weapon cradle with an M4 colt (5.56 mm assault rifle) and 30 / 60 round ammunition magazines.

Offering 360° rotation capability and an elevation range of -20° to +60°, the 5IS can transverse and elevate to angular positions demanded by the ground control station interface. The system can operate at all times and in all condition, and both when the vehicle is stationary and in motion.

SYSTEM FEATURES

Lightweight Aluminum system (approximately 50 kg)

One remote operator

360° rotation

-20° to +60° elevation

Compatible with 5.56mm assault rifle

OPERATIONAL LIMIT

Operational environment: -10° to +55°

No-go areas: Pre-programmable fire inhibit zones

Operational coverage: Nx360° (AZ) and -20° to +60° (EL)

LENSES

1 day camera

1 thermal imaging system (TIS)

Green visible laser pointer (VLP)

Invisible laser pointer (ILP)

Flashlight

TECHNICAL SPECIFICATION

Total height: 900 mm

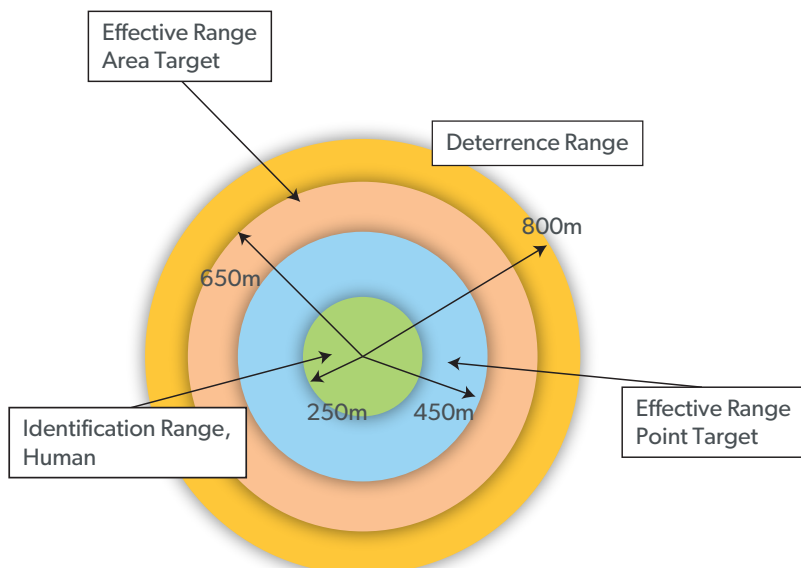
Diameter: Ø 0.83m around AZ pivot point

WEAPON

Weapon caliber: 5.56 mm

Ammunition capacity: 30 round cartridge magazines and 60 round drum magazines

OPERATIONAL LANDSCAPE



RENDER HERE

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

SYSTEM DESCRIPTION

The **Hunter SP** possess a take-off weight of 4.5 kg and can be fired from a portable launcher. It carries a payload of 700 g, flying at a maximum altitude of 1000 ft. The drone is suitable for recon and attack missions, operating at a cruising speed of 90km/h, with an endurance of 20 minutes. It features a wing span of 1.16 m, length of 0.85 m and run by an electrical engine.

SPECIFICATIONS

Wingspan	1.16 m
Length	0.85 m
Drone takeoff weight	4.5 kg
Payload	700 g
Cruising speed	90 km/h
Engine type	Electric engine
Endurance	20 minutes
Communication range	50 km
Operational altitude	500 ft.
Launcher weight	4.5 kg
Launcher elevation angle	20° - 40°

