

TALON DT-150

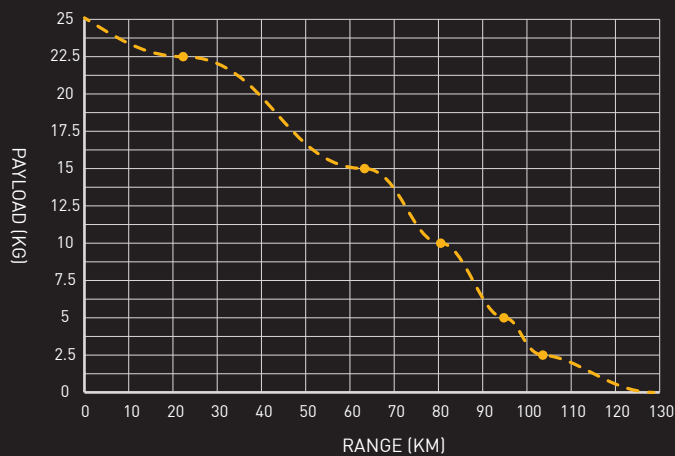
GROUP 2 UAS, FULLY ELECTRIC, MULTI-ROLE UAV SYSTEM
INDUSTRY LEADER IN: • PAYLOAD • RANGE • COSTS • DEPLOYABILITY



The TALON DT-150 is a very compact Group 2 unmanned aerial system (UAS) developed as a smaller counterpart to the TALON DT-300. Designed for versatility and portability, the DT-150 serves various applications, including reconnaissance, surveillance, and target acquisition as well as the ability to deliver useful logistics or three One Way Effect (OWE) explosive attack drones.

The Talon DT-150's development reflects the growing demand for UAS that combine ultra portability with the ability to carry more than a camera.

PERFORMANCE DATA



PAYLOAD V RANGE METRICS

PAYLOAD		MAX RANGE (ONE WAY)		*DROP RADIUS (OUT & RETURN)	
0KG	0LBS	126KM	78MI	63KM	39MI
2.5KG	5.5LBS	104KM	65MI	52KM	32MI
5KG	11LBS	95KM	59MI	49KM	30MI
10KG	22LBS	81KM	50MI	45KM	28MI
15KG	33LBS	63KM	39MI	40KM	25MI
22.5KG	50LBS	23KM	14MI	13KM	8MI

*FLY OUT WITH PAYLOAD – DROP PAYLOAD – RETURN WITH ZERO PAYLOAD
ZERO PAYLOAD INCLUDES RAPTOR EO/IR CAMERA AND DTC LONG-RANGE DIGITAL DATA LINK (UP TO 60KM / 37MI LOS)



ROTOR SIZE
1 X 3.5M (11.5FT)



MTOW 50KG (110LBS)
(WITH 22.5KG / 50LBS PAYLOAD)



CRUISE SPEED
80KM/H (50MPH)



BOXED DIMENSIONS
L:117CM W:53CM H:27CM
L:46" W:21" H:10.6"



MAX DROP RADIUS 40KM (25MI)
(WITH 15KG / 33LBS PAYLOAD)



MAX RANGE: 126KM (78MI)
15KG / 33LBS PAYLOAD: 63KM / 39MI



ENDURANCE 54MINS
(WITH 5KG / 11LBS PAYLOAD)



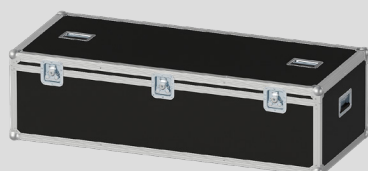
MAX ALTITUDE
2,250M (7,400FT)



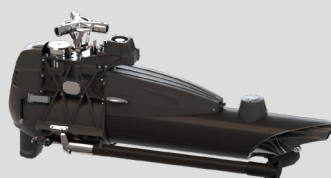
THE DT-150 CAN BE EQUIPPED WITH UP TO 3 DRONES OR ALTERNATIVELY CARRY UP TO 22.5KG / 50LBS OF CARGO BAGS

FLIGHT READY IN 4 MINUTES

TALON DT-150



EASILY STORED &
TRANSPORTED (SUV)



FOLDED DT-150
REMOVED FROM BOX



LEGS AND CAMERA
UNFOLDED, PAYLOAD
RACK ASSEMBLED

- **SURVIVABLE:** EQUIPPED WITH HARDENED GPS, FREQUENCY-HOPPING DATA LINKS, AND AUTONOMOUS FLIGHT CAPABILITIES ENSURE RELIABLE OPERATIONS IN JAMMED AND GPS DENIED ENVIRONMENTS. VERY LOW NOISE AND RADAR SIGNATURE. ENGAGES TARGETS FROM LONG RANGE.
- **ADAPTABLE:** CONFIGURABLE TO ACCOMMODATE PAYLOADS UP TO 22.5KG (50 LBS), OFFERING MISSION FLEXIBILITY.
- **DEPLOYABILITY:** FEATURES DETACHABLE ROTOR BLADES FOR A COMPACT FORM FACTOR TRANSPORTABLE BY SUV. READY FOR FLIGHT IN 4 MINS.
- **SUSTAINABLE:** REUSABLE SYSTEM, NOT A ONE WAY EFFECTOR.
- **SIMPLE:** FULLY ELECTRIC OPERATION WITH AN INTUITIVE, INDUSTRY-STANDARD USER INTERFACE. OPERATORS CAN BE TRAINED IN JUST 1 HOUR.
- **RELIABLE:** DESIGNED FOR 1000 HOURS TBO (TIME BETWEEN OVERHAUL) TO ENSURE LONG-TERM DURABILITY.
- **HIGH AVAILABILITY:** FEATURES RAPID BATTERY CHANGING AND CHARGING CAPABILITIES TO MINIMIZE DOWNTIME.
- **STABLE:** ADVANCED CYCLIC AND COLLECTIVE ROTOR CONTROL, PAIRED WITH A HIGH THRUST-TO-WEIGHT RATIO, ENSURES STABILITY IN CROSSWINDS, TURBULENCE, AND MAINTENANCE OF TARGET LOCK.
- **EFFICIENT:** ROTOR DESIGN MAXIMIZES FORWARD TRANSITIONAL LIFT WITH LIMITED ENERGY WASTED ON TAIL ROTOR.
- **EXTREME WEATHER CAPABLE:** PROVIDES SUPERIOR CONTROL IN HIGH WINDS WITH IP67 WATERPROOFING FOR RESILIENCE IN HARSH CONDITIONS.
- **SOVEREIGN CAPABILITY:** DESIGNED AND MANUFACTURED IN THE UK, FREE FROM RELIANCE ON FAR EASTERN COMPONENTS.
- **COST EFFECTIVE:** REDUCES RELIANCE ON MANNED HELICOPTERS FOR SELECT MISSIONS, PRESERVING VALUABLE FLIGHT HOURS FOR CRITICAL OPERATIONAL TRAINING AND TASKS.

ABOUT ROTRON AEROSPACE



Rotron Aerospace are specialists in designing and manufacturing UAS propulsion systems and VTOL aero-systems. As industry leaders and operators of long-range VTOL air systems, Rotron Aerospace enables safe and cost effective aerial intelligence solutions for surveillance, inspection, search and rescue missions, cargo delivery and aerial deployment of FPV drone systems beyond visual line of site.

Founded in 2008 to create the lightest, most powerful, and vibration-free power units, Rotron Aerospace now supplies some of the world's largest aerospace OEMs and UAS manufacturers.

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