

DRONE155

HEAVY LIFT UNMANNED AERIAL VEHICLE



Drone155 features a GPS based autopilot system with a portable ground control station communicating over an encrypted radio data-link. It leverages advanced commercially available drone components. DefendTex utilises mass manufacturing techniques from the printed circuit board industry to produce a robust, low cost, yet capable unmanned aerial system.

At its core lies the computing power of the Nvidia Jetson, providing a robust platform for next-generation capabilities such as AI autonomy. The modular payload bay offers a wide range of DefendTex or user designed payload options. With multiple electrical interfaces several different payloads can be installed simultaneously maximising the systems operability.

The system is expandable to achieve swarming and teaming capabilities. This allows a Drone155 to detect a target that can be engaged by a single, or multiple swarming DefendTex Drone40s containing effector payloads.

SPECIFICATIONS:

DIAMETER	560 x 380 x 260mm (FOLDED) 390 x 1810 x 1180mm (UNFOLDED)
LENGTH	500mm
MAX PAYLOAD	13kg
MAX TAKE OFF WEIGHT	25kg
MAX FLIGHT TIME	90 mins
MAX RANGE	60kms/37 miles
MAX COMMS RANGE	20kms/12 miles
DASH SPEED (MAX)	30m/s AUTO-PILOT
BATTERY OPTIONS	Heavy Lift, Endurance, Long Range

PAYLOAD OPTIONS:

RPG40 MULTI LAUNCHER	AGGREGATED PAYLOAD LIFT
LASER DESIGNATOR	EW PAYLOAD
ISR PAYLOAD (EO/TI)	KINETIC PAYLOADS
SMOKE/FLASH PAYLOAD	

sales@defendtex.com
www.defendtex.com

