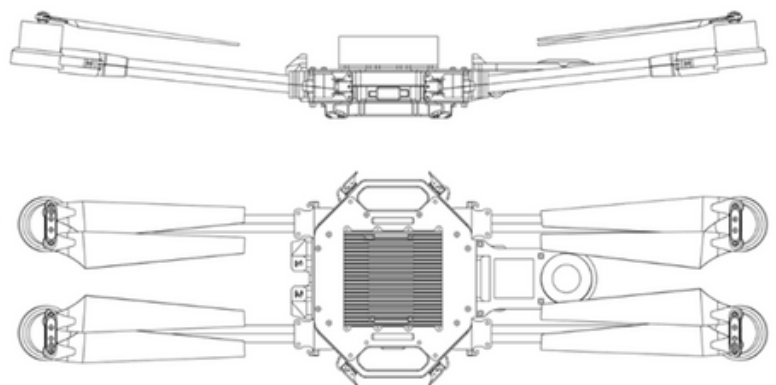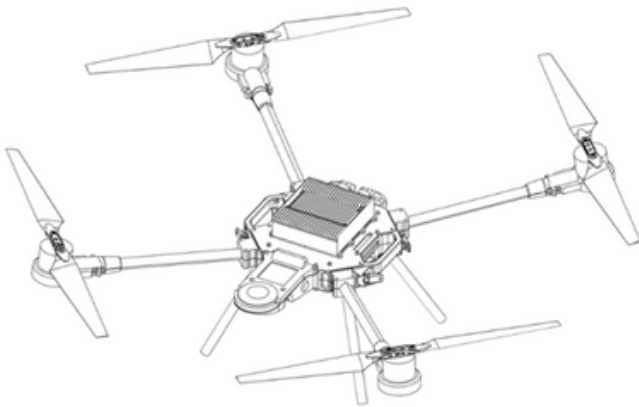ELEVATE YOUR PAYLOAD FOR AS LONG AS YOU NEED.

SENTINEL TETHERED UAV

SENTINEL TETHERED UAV

REALISE NEW POSSIBILITIES

- Sentinel Tethered Drone System can stay in the air for hours at a time
- Provides persistent aerial surveillance - payload agnostic
- Compatible with MESH/MANET radios
- 5kg payload capacity
- Quickly deployable
- Flexible power options - **can run directly from vehicle power, mains or batteries**
- Lightweight tether
- Weather resistance
- Total safety - Back-up battery in case of power failure
- Total security - no data sharing
- Made in the United Kingdom

ELEVATE YOUR PAYLOAD FOR AS LONG AS YOU NEED

DRONE TYPE	QUADCOPTER		**GROUND POWER INPUT TYPE**	MAINS 220V/240V (MAINS POWER SUPPLY)
FREQUENCY BAND	N/A			VEHICLE 12V/24V (VEHICLE POWER SUPPLY)
PAYLOAD CAPACITY	UP TO 5KG			BATTERY 12V/24V (VEHICLE POWER SUPPLY)
NAVIGATION SYSTEMS	GPS, ATTI		**TETHER LENGTH**	50M
PROPELLOR TYPE	CARBON FIBRE + POLYMER		**DATA TRANSFER TYPE**	DATA OVER POWER
PROPELLOR LENGTH	22"		**DATA TRANSFER SPEED**	10MB/S
MOTORS	4 X 320KV		**TETHER BREAKING STRAIN**	>65KG
STANDARD OPERATING POWER	300W TYPICAL / 1000W MAX		**TETHER SYSTEM OPERATING VOLTAGE**	270 – 400 VDC
PROCESSOR SPECIFICATION	32BIT ARM® STM32H753VIT6 CORTEX®-M7, 1 MBYTE OF RAM: 192 KBYTES OF TCM RAM		**HAND CONTROLLER (WHEN USED)**	
OPERATING SOFTWARE	NON-CHINESE CONFIGURED AND INSTALLED SOFTWARE		**TRANSMISSION DISTANCE**	UP TO 20KM
DIMENSIONS	UNFOLDED: APPROX. L 750MM X W 750MM X H 150MM FOLDED: APPROX. L 1000MM X W 290MM X H 150MM (WITHOUT OPTIONAL REMOVABLE LANDING LEGS)		**SIGNAL BANDWIDTH**	10MHZ/20MHZ
			MICRO HDMI OUTPUTS	2
			SOFTWARE COMPATIBILITY	WINDOWS, ANDROID
BATTERY BACK-UP	YES - 6S 1800MAH XT90 CONNECTION		**OPERATING TEMPERATURE**	-20 DEGREES C TO +50 DEGREES C
ONBOARD INPUTS	ETHERNET RJ45			

Specification subject to change