

THE SOLUTION TO AERIAL SURVEILLANCE

DRONE VOLT®

HERCULES 5 UF

UNLIMITED FLIGHT TIME
SMART POWER STATION
SECURED OPERATIONS
EASY TO USE



UNLIMITED FLIGHT TIME

HERCULES 5 UF is equipped with a smart tethered station for civilian drones. Thanks to its micro-tether providing unlimited power, the system enables unlimited access to a global aerial vision, in real time and in a secure manner 24 hours a day.

18X ZOOM STABILIZED CAMERA

This fully stabilised camera features an 18x 'Optical Zoom' allowing the scene to be analyzed in greater details or examined from a distance without exposing the drone to danger. The 18x zooming ability, fully controllable in both pitch and yaw, opens up a vast range of possibilities for close-up viewing while staying at a safe distance; Ideal for commercial work in which close-up views are a necessity.



SECURED OPERATIONS

Transfer your data by secured RTMPs server.



NIGHT VISION CAMERA

FLIR vue pro 640x480 9hz, imagery optimized for airborne operations in a wide variety of environment. The FLIR VUE PRO records 8-bit digital video in MJPEG or H.264 formats and 14-bit still imagery to a removable micro-SD card so you won't lose any of your data to transmission loss.

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DRONE VOLT®

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PRODUCT SPECIFICATIONS

Weight	3.8 kg
Weight (with Smart Station System)	5 kg
Dimensions (with propellers)	700 mm × 700 mm with propellers
M2M	900mm
Hovering Accuracy	Vertical: ±0.5 m, Horizontal: ±1.5 m
Max speed:	75km/h
Cruising speed	50-60 km/h
Flight Time	UNLIMITED
Propellers	15.5 x 5.3
Motors	T-motor by DRONE VOLT 4014-9
Flight Control System	Pixhawk
Supported payloads	Night Vision camera + 18x zoom HD camera gimbal
Software	DRONE VOLT PILOT
Max Transmission Distance	FCC Compliant: 2,17 mi (3,5 km), CE Compliant: 1,3 mi (2 km) (Unobstructed, free of interference)
Smart Power Station	Elistair HIGH-T or SAFE-T
Camera	18x optical zoom HD camera
Night vision camera	FLIR vue pro 640x480 9hz



Applications

Industrial Inspection

Telecom Towers and Antennas, Oil refineries and drilling rigs, Airports, Wind power stations, viaduct and dam inspection, Energy infrastructures.

Continuous Aerial Surveillance

Emergency First Responder situational awareness, Search and Rescue, Firefighting, SWAT situational awareness, Border surveillance, Crowd control, Facility and asset protection, Harbour observation.

Traffic Monitoring

Enhancement of daily traffic, freeway conditions and road safety, Response to traffic congestion and car accidents, Sampling of vehicle speed, Optimization of car park utilization, Automatic trajectory extraction and Analysis of vehicle types.