



DRONE VOLT®

# KOBRA

THE DRONE VOLT KOBRA IS AN INTELLIGENT PROFESSIONAL DRONE DESIGNED TO ENHANCE OPERATIONAL EFFICIENCY

Developed for the surveillance, security and inspection industries, this made-in-Europe drone is the ultimate multi-purpose vehicle.

This universal platform embeds an AI ready nanocomputer, giving it great flexibility and an infinite combination of configurations. The quadcopter alone combines 4 strategic assets: intelligence, power, connectivity and modularity.

It combines a number of technologies that enable it to be configured to suit each mission. It is fitted as standard with 2 onboard FPV cameras and 2 LIDAR sensors. Drone Volt KOBRA's modularity makes it easy to integrate a wide range of payloads.



# THE DRONE VOLT KOBRA, READY TO PUSH BACK THE BOUNDARIES



**Infrastructure Inspection**



**Topography**



**Public Safety**



**Search & Rescue**

**Power of Integrated AI**

**Precise Positioning**

**Large Payload Capacity**

**5 kg**

**AES-128 Encrypted Data**



**Exceptional Flight Performance**

**55 minutes**

**Unlimited Connectivity**



**Hotswap Battery**

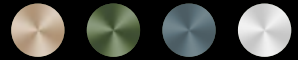


**Robust and Lightweight Design**





Optional colors



### **GDU - PQL01 Quadra-sensor**

48 Mpx Optical sensor

18x optical zoom and  
144x hybrid zoom

Infrared Precise  
Temperature Measurement

AI Intelligent Algorithm

Laser for high-precision  
ranging & positioning



### **GDU - PDL-1K Dual-sensor**

48 Mpx Optical sensor

Infrared camera with a  
1280 x 1024 resolution

Infrared Precise  
Temperature Measurement



### **Next Vision - Colibri 2**

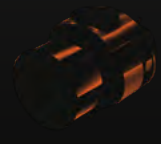
1920 x 1080  
camera resolution

20x optical and  
2x digital zoom

Infrared camera with  
a 640 x 480 resolution  
and 4x digital zoom

High-quality video with  
GPS metadata attached

IP/LTE encrypted streaming



### **Multiple integrations**

HDMI, Ethernet, USB,  
UART / Serial, CAN ports  
enable integration with a  
wide range equipment and  
payloads (gas detectors  
LIDAR, etc)

# Technical Specification

<b>Dimensions</b>	Folded	520 x 406 x 233 mm (L×W×H)
	Unfolded	820 x 810 x 456 mm (L×W×H)
<b>Weight</b>	Empty	5,7 kg
	With battery	10,3 kg
	Max Payload	5 kg
	MTOW	15,3 kg
<b>Flight Time</b>	0 kg	55 min
	2.7 kg	40 min
	4 kg	33 min
	5 kg	30 min
<b>Max flight speed</b>	Horizontal	20 m/s
	Vertical ascent	6 m/s
	Vertical descent	5 m/s
<b>Wind resistance</b>		15 m/s
<b>Operating temperature</b>		-15 °C to 40 °C (-5 °F to 104 °F)
<b>Battery</b>	Composition	LiPo
	Voltage	44.76 (12S)
	Capacity	22000 mAh
	Hotswap	Yes
	BMS	Yes
<b>Remote controller</b>	Model	Herelink
	Application	DV Control
<b>Transmission</b>	Range (CE)	12km
	Frequency	2.4 GHz
	Encryption	AES-128
	Wifi	On Drone
	Bluetooth	On Drone
	LTE	4G
<b>GNSS</b>	Module	Ublox F9P
	Constellations	GPS, GLONASS, BeiDou, Galileo
	Dual for yaw	Yes
	RTK	Yes
<b>Sensors</b>	Obstacle avoidance	Forward
	Terrain Following	Yes
<b>FPV Camera</b>	Résolution	1080p
	FPS	30
<b>Other Feature</b>	Onboard Processing	Nano-ordinateur AI Ready (Nvidia Xavier)