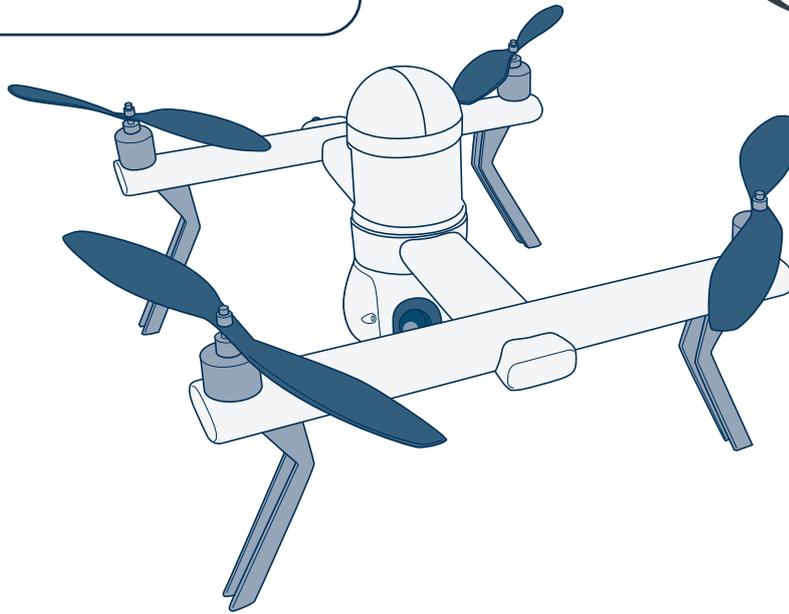


VR1 COLIBRI



The **VR1 Colibri** is the smallest system in the **Vertical Ray family** of products. It is collapsible and man-portable; an entire system can be transported in a 40 litre rucksack. It's designed to be simple to use, flexible in operation and be rapidly assembled, deployed and recovered. The **VR1** is well suited for missions in built-up areas where vertical take off and landing is essential for deploying a UAV system.

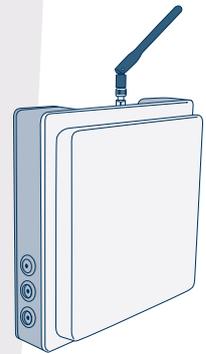
The **VR1** is really easy to use. Intelligent software assists the operator when the system is in flight. There are multiple operation modes ranging from remotely controlled to fully autonomous. The operator is easily able to control all the vehicle functions, as well as the on-board sensors using a simple touchscreen interface. Real-time imagery from the UAV may be displayed on multiple mobile devices (RVTs) or transmitted onwards for exploitation or analysis.

The **VR family** of UAVs are highly stable in flight, offering an excellent platform for sensing. The system is available with a wide range of hot-swappable sensors including:

- High-definition electro-optical sensors to view large areas of terrain, providing excellent situational awareness.
- Infra-red sensors providing day and night capability and enhancing search and rescue missions.
- High-precision zoom sensors giving a high magnification and delivering target identification at high standoff range

Sensor swapping is easily performed by the operator in a few seconds, enabling a swift response to changes in the mission profile.

The **VR1** is designed to support both civilian and military use, delivering aerial capability even in harsh operating conditions



Physical Attributes

Length x Width x Height 50 x 50 x 20 cm
Maximum Take-Off Weight 2.8 kg

Operational Characteristics (with Payload)

Operational flight time 30 minutes
Range 2 km
Operating Ceiling 250 m

Launch Fully Autonomous
Recovery Fully Autonomous

Transport

System Storage Case 1x40L

Payload Options

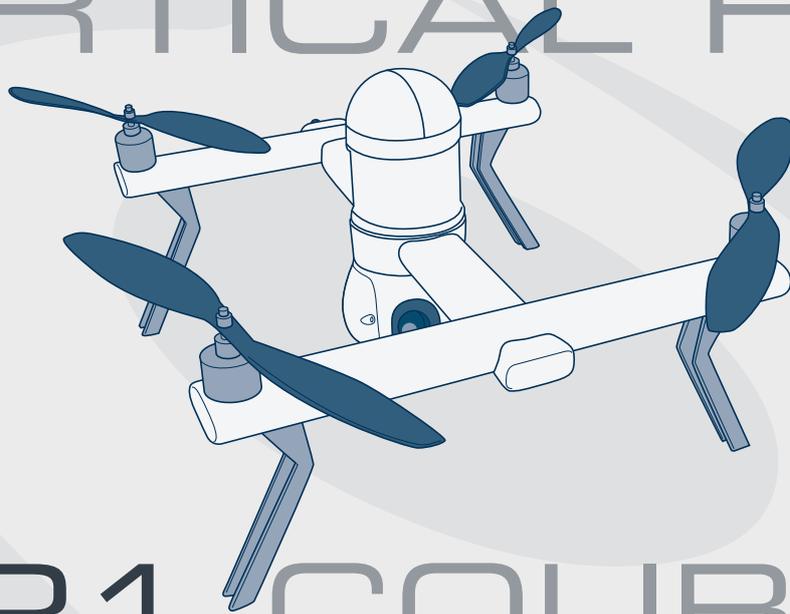
Electro Optic HD VR1PL-EOHD
Electro Optic SD (w. 10x optional zoom) VR1PL-EOSDZ
Infra Red SD VR1PL-IRSD

Control Systems

VR1 Mobile GCS VR1GCS
VR1 Remote Video Terminal VR1RVT



VERTICAL RAY



VR1 COLIBRI