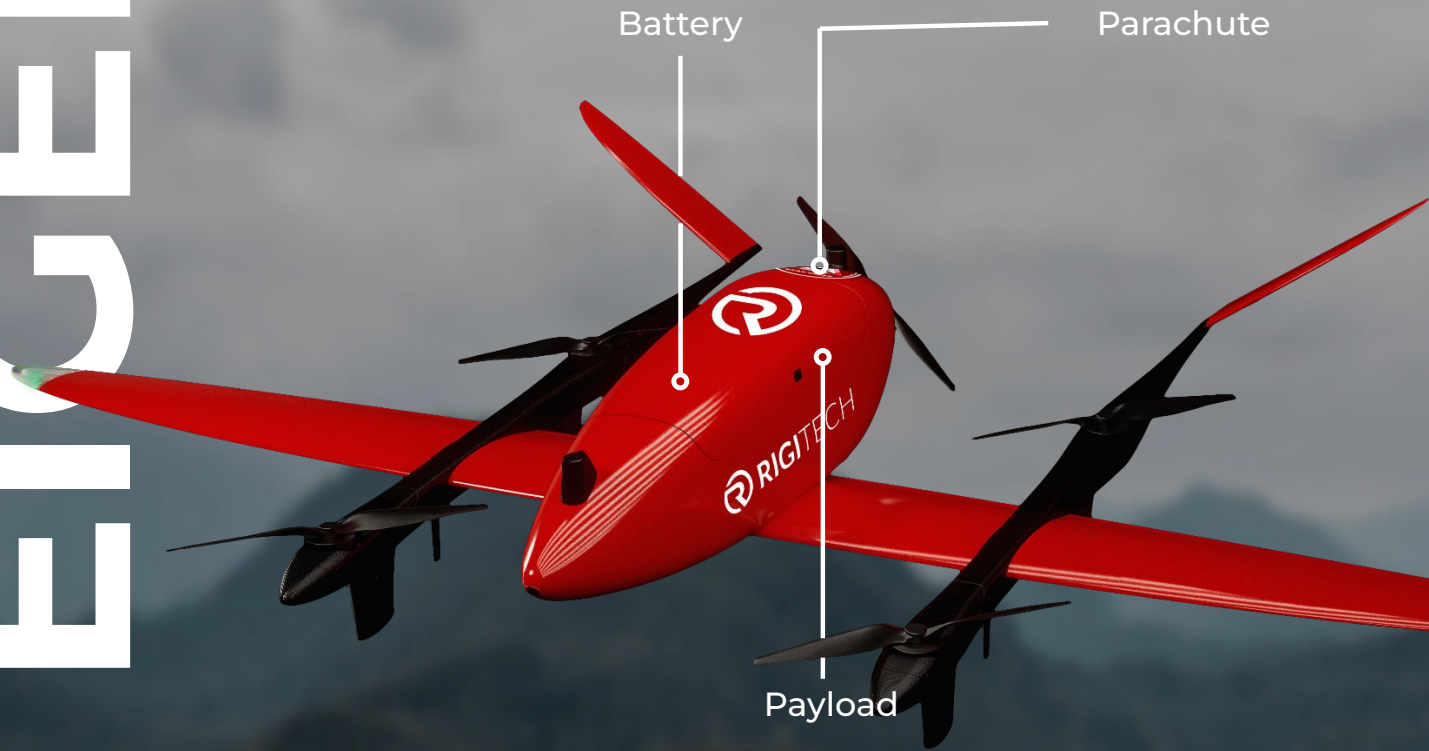


# WIGER



**Max. Payload Weight: 3 kg**

**Max. Range: 100 km**

## Drone Type

Vertical Take-Off and Landing (VTOL) + Fixed-wing flight

## Dimensions (L x W x H)

Airframe: 270 cm x 164 cm x 42 cm

Payload: 45 cm x 16 cm x 21 cm

Transport Box (with wheels): 138 cm x 52 cm x 117 cm

## Weight

Max Take-Off Weight: 21 kg  
(including payload and batteries)

Empty Weight: 14 kg  
Drone with batteries: 18 kg

## Flight Performance

Payload		0 kg	1 kg	2 kg	3 kg
Max. Range and Flight Time	Direct one-way	100 km 57 min	90 km 52 min	85 km 49 min	80 km 46 min
	Two-way reverse	45 km	40 km	37 km	35 km

Operational Limitations

**Maximum Altitude**

3,000 m AMSL

**Operating Temperatures**

0°C / 40°C

**Weather Limitations**

No flights during thunderstorms, Icing conditions, or heavy rain


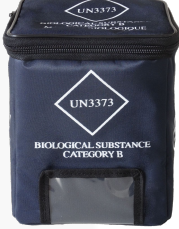
	<b>Multicopter</b>	<b>Fixed Wing (airspeed)</b>
<b>Cruise speed</b>	6 m/s	29 m/s
<b>Max. flight speed</b>	10 m/s	35 m/s
<b>Min. flight speed</b>	0 m/s	23 m/s
<b>Climb speed</b>	3.5 m/s	3.3 m/s
<b>Descend speed</b>	2.7 m/s	4.5 m/s
<b>Max. Wind Resistance</b>	12 m/s	15 m/s

Hardware

<p><b>Airframe</b> Carbon Fiber</p>	<p><b>Power</b> 22,000 mAh 12S Lithium Battery</p>
<p><b>On board Sensors</b> Dual Redundant GNSS, Magnetometers, IMUs, Pitot Tube, Lidar Altimeter, Front and down-facing camera</p>	<p><b>Optional Sensors</b> ADS-B in/out FLARM / Remote ID Satellite communications (Iridium)</p>
<p><b>Failsafe and Parachute</b> Fully independent and dissimilar failsafe unit Ballistic Parachute</p>	<p><b>C2 Link</b> Dual Cellular Telemetry (3G/4G) 2.4 GHz Radio telemetry (Mesh Network)</p>

Payloads

**Maximum Payload Weight:** 3 kg

(L x W x H)	Cardboard box	Medical Payload boxes (UN3373)
<b>External dimensions</b>	45 cm x 16 cm x 21 cm	(3x) 15 cm x 16 cm x 21 cm
<b>Volume</b>	15 L	150 - 300 blood samples
<b>Reference Image</b>		

Precision Landing

The Eiger offers a unique vision-based Precision Landing package, delivering exceptional target landing capabilities for safe and reliable BVLOS operations.

Powered by advanced sensors and cutting-edge positioning technology, the Eiger excels in navigating and descending to predetermined landing spots with unparalleled accuracy. This Eiger feature allows safe landing in hazardous areas as it helps mitigate the risks of collisions and damage. Leveraging its integrated smart sensor fusion, the Eiger’s onboard computer seamlessly integrates all available measurements (vision, GNSS, IMUs) making it a reliable and robust solution.

A comprehensive approach, Precision Landing optimises mission outcomes, reduces operational risks, and enhances overall safety, making the Eiger the ideal choice for compliance with current regulations.

