

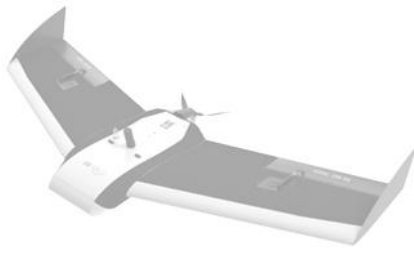


**FLY  
TECH**  
UAV

# FIXED-WING OR VTOL?

No need to choose - just have them both.

THE ONLY  
2 in 1  
UAV solution.



UAV BIRDIE

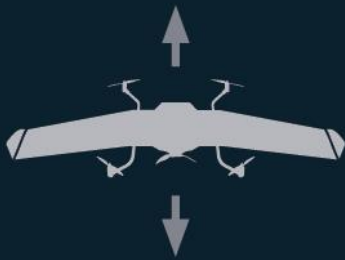
unmatched efficiency  
of the flying wing



UAV BIRDIE VTOL



detachable  
module VTOL



✓ Vertical, soft takeoff  
and landing on demand



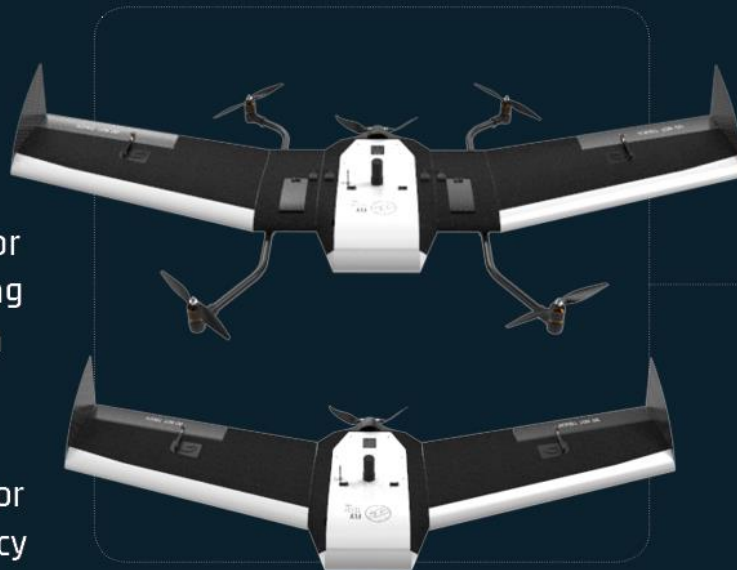
✓ Advantages of the  
multirotor and fixed-wing plane



✓ Minimum takeoff and  
landing required space

## FLEXIBILITY OF CHOICE

- ✓ Use VTOL module for the most demanding conditions/terrain
- ✓ Stick to the plane for unmatched efficiency



Full-frame  
42-Mpix camera

Unlimited 4G LTE  
connectivity

Dedicated flight  
controller

PPK onboard



## UAV BIRDIE

## UAV BIRDIE VTOL

Wingspan [cm]	140	166
Weight [kg]	2,5	3,9
Transport case dimensions	630 x 597 x 315	637 x 597 x 315 + bag for VTOL module
Detachable wings	yes	yes
Material	EPP	EPP
Batteries	smart Li-Ion	Smart Li-Ion
Cruise speed [m/s]	20	17
Max. flight time [min]	60	30
Takeoff method	By hand	Automated vertical takeoff
Hand launch method	Push backside	-
Landing	Belly landing (reverse thrust)	Automated vertical landing
Radio link range [km]	2	
Other connectivity systems	2,4 GHz / GSM (unlimited)	
Data saving	automatically on camera's SD card	
PPK	L1 or L1 L2	
UAV management	Dedicated flight controller: tablet (Android) integrated with RC controller + flight planning app	
Default camera	Sony a6000 / Sony RX1R II	
Resolution [MPx]	24 / 42	
Pixel pitch [um]	3,9 / 4,5	



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<b>Type of lens</b>	Voigtlander 21 / 40 mm or Zeiss 35mm (fixed)	
<b>HFOV / VFOV</b>	59 x 41 / 33 x 22 / 54 x 38	
<b>Additional sensors' features</b>	Possible exchange a6000 to RX1R II	
<b>Other available sensors</b>	Sequoia+, RedEdge-MX	
<b>Resolution</b>	1 cm for 105 m; 3 cm for 160 m (A6000) 2 cm for 155m; 1,5 cm for 120 m (RX1RII)	
<b>Productivity</b>	1,8 km <sup>2</sup> for 2 cm, 2,7 km <sup>2</sup> for 3 cm, (A 6000)	0,9 km <sup>2</sup> for 2 cm; 1,4 km <sup>2</sup> for 3 cm (A 6000)
	1,7 km <sup>2</sup> for 1,3 cm, 2,4 km <sup>2</sup> for 2 cm (Sony RX1R II)	1,2 km <sup>2</sup> for 2 cm; 1,8 km <sup>2</sup> for 3 cm (RX1R II)
<b>Mission planning software features</b>	KML importing, linear/polygon mission planning, adjusting to terrain model, support for GRID mission patterns	
<b>Safety system</b>	Georadar app, checklist non-completed alert, geofence, transponders ADS-B in/out, smart battery	
<b>Additional features</b>	possibility to upgrade from fixed wing to VTOL at any time with detachable module	
<b>Software</b>	Agisoft, 3DSurvey, any other	



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