

UNMANNED MULTIROTOR SYSTEM

MSP[®] 

High speed 5MP RGB
integrated camera



G E O H O V E R F L Y

MINI MULTIROTOR SYSTEM

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Specifications

- MTOW: 1.7 kg
- mission cruise speed: 10 m/s
- maximum wind condition: 8 m/s
- flight endurance: 20 min
- camera: 5MP FLIR RGB (Chameleon or BlackFly-S)
- lens: 8.5mm (diag. FOV 65°)
- sensor type: Sony IMX264 2/3", pixel size: 3.45 µm, global shutter
- max. trigger speed: 3 fps

Features

- automatic take-off and landing
- waypoint navigation
- heading lock
- full manual or GPS assisted control
- camera status control

Transportation

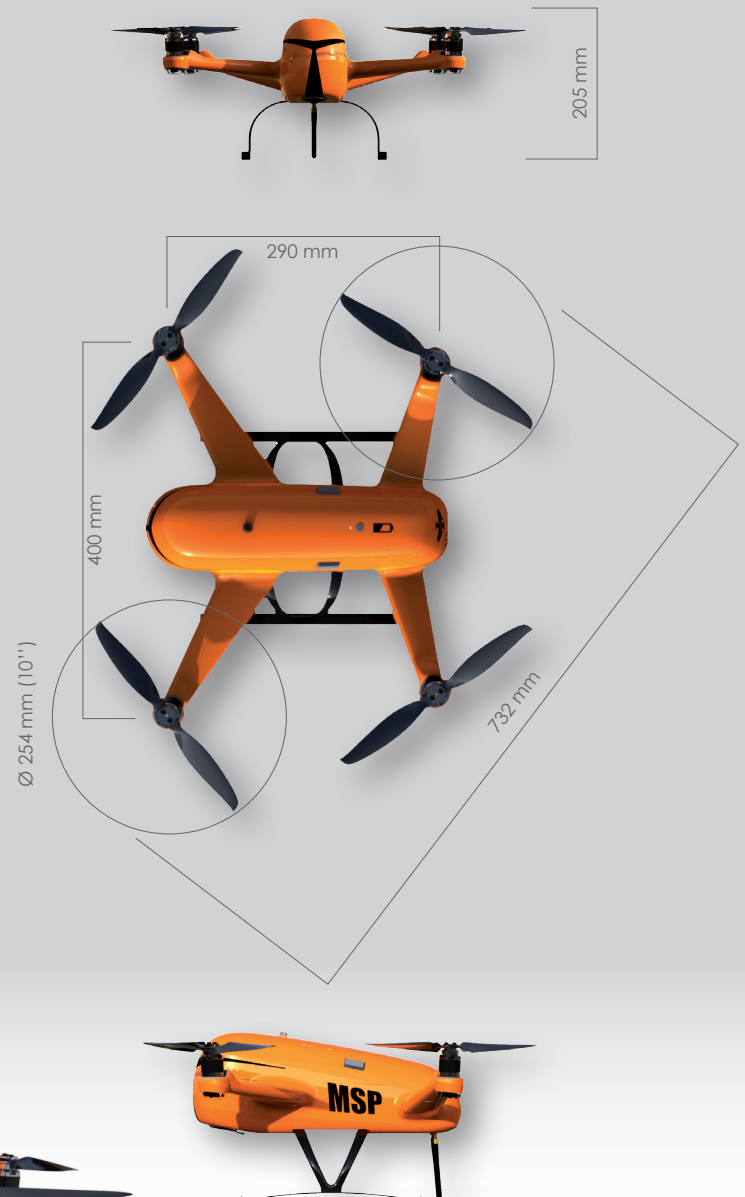
- 2 cases 500x400x200mm³

geoHOVERFLY + FLIR Chameleon 5MP (f=8.5mm) – (polygon-type mapping)

Flight altitude AGL	[m]	50	100	120
Resolution GSD	[cm]	2	4	5
Forward / side overlap	[%]	80/60	80/60	80/60
Flight Time	[min]	15	15	15
Route distance	[km]	7.6	8.8	8.9
Mapping area	[km ²]	0.2	0.3	0.4
Number of photos		1100	532	447
Approx. post-processing time with GTX980, 32GB RAM, i7 (dense cloud + orthomosaic)	[min]	60	25	20



Dimensions



geoHOVERFLY + FLIR Chameleon 5MP (f=8.5mm) – (line-type mapping)

Flight altitude AGL	[m]	50	100	120	50	100	120
Resolution GSD	[cm]	2	4	5	2	4	5
Forward / side overlap	[%]	80/60	80/60	80/60	80/60	80/60	80/60
Mapping object distance	[km]	1.5	1.5	1.5	1.5	1.5	1.5
Number of strips		2	2	2	4	4	4
Mapping strip width	[m]	60	120	130	120	240	290
Flight Time	[min]	6	6	6	12	12	12
Route distance	[km]	3.8	3.8	3.8	6.8	6.8	6.9
Number of photos		460	232	194	820	420	350
Approx. post-processing time with GTX980, 32GB RAM, i7 (dense cloud + orthomosaic)	[min]	20	15	12	45	19	17

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