

Marlyn Specification Sheet

The go-anywhere mapping solution, made by surveyors for surveyors

Hardware

Drone type	Hybrid (VTOL & fixed-wing)
Weight without payload	5.7 kg (incl. batteries)
Max payload weight	Up to 1 kg
Wingspan	1.6 m (detachable wings)
Motors	4 electric motors
Radio link range	Default 3 km LOS (up to 20 km possible) frequency & range customizable
Camera options	RGB (Sony RX1RII, UMC-R10C) Thermal (FLIR Duo Pro R) check our camera specsheet for details Multispectral (MicaSense-MX, Altum)
Included accessories	Backpack, battery charger, remote control, MarLynk modem & maintenance kit
Materials	Carbon fiber frame surrounded with durable structural EPP

Software

Flight planning software	MarLynk (in-house developed) included
Operating system	Windows
Image processing software	Compatible with Pix4D, Agisoft, SimActive and more optional
Input files	.KML, .KMZ, .GeoTIFF, .MBTiles, .WMTS
Updates	Free

Operation

Take-off & landing area	2 x 2 m required
Set-up time	5 minutes
Autonomous flight	Yes
Take-off & landing	Automatic
Emergency procedures	Automatic (configurable)
Cruise speed	45 - 95 km/h
Wind resistance	Take off: 45 km/h Cruise: 55 km/h Landing: 45 km/h
Max flight time *	50 mins
Pre-flight checklist	Yes (integrated in MarLynk)
Temperature range	-10°C - 40°C
GCPs	Not required with optional PPK module

Results

Please check our [camera specification sheet](#)

* Specifications depend upon environmental conditions



ATMOS UAV