

Marlyn Specification Sheet

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

Metric

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	868 MHz, up to 3km LOS customizable
Camera options	RGB (Sony RX1RII, UMC-R10C), Multispectral (MicaSense-MX, Altum), check our camera specsheet for details Thermal (FLIR Duo Pro R)
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	7 minutes
Autonomous flight	Yes
Take-off & landing	Automatic
Emergency procedures	Automatic (configurable)
Cruise speed	12.5 - 26.4 m/s
Wind resistance	12.5 m/s (for take-off, cruise and landing) tested
Max flight time *	50 mins
Pre-flight checklist	Yes (integrated in MarLynk)
Temperature range	-10°C - 40°C tested
GCPs	Not required with optional PPK module

Results

Please check our [camera specification sheet](#)

* Specifications depend upon environmental conditions



ATMOS UAV