

Marlyn Specification Sheet

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

Hardware

Drone type	Hybrid (VTOL & fixed-wing)
Weight without payload	12.6 lb (incl. batteries)
Max payload weight	Up to 2.2 lb
Wingspan	5.2 ft (detachable wings)
Motors	4 electric motors
Radio link range	Default 2 miles LOS (up to 12.5 miles 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	7 x 7 ft required
Set-up time	5 minutes
Autonomous flight	Yes
Take-off & landing	Automatic
Emergency procedures	Automatic (configurable)
Cruise speed	28 - 60 mph
Wind resistance	Take off: 28 mph Cruise: 34 mph Landing: 28 mph
Max flight time *	50 mins
Pre-flight checklist	Yes (integrated in MarLynk)
Temperature range	14°F - 104°F
GCPs	Not required with optional PPK module

Results

Please check our [camera specification sheet](#)

* Specifications depend upon environmental conditions



ATMOS UAV