

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	Up to 9842.5 ft line of sight frequency customizable
Camera options	RGB (Sony RX1RII, QX1), Multispectral (MicaSense-MX), Thermal (FLIR Duo Pro R) check our camera specsheet for details
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	7 minutes
Autonomous flight	Yes
Take-off & landing	Automatic
Emergency procedures	Automatic (configurable)
Cruise speed	41 - 87 ft/s
Wind resistance	41 ft/s (for take-off, cruise and landing) tested
Max flight time *	50 mins
Pre-flight checklist	Yes (integrated in MarLynk)
Temperature range	14°F - 104°F tested
GCPs	Not required with optional PPK module

Results

Please check our [camera specification sheet](#)

* Specifications depend upon environmental conditions



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