

# 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	868 MHz, up to 2 miles LOS <span style="float: right;">customizable</span>
Camera options	RGB (Sony RX1RII, UMC-R10C), Multispectral (MicaSense-MX, Altum), <a href="#">check our camera specsheet</a> 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) <span style="float: right;">included</span>
Operating system	Windows
Image processing software	Compatible with Pix4D, Agisoft, SimActive and more <span style="float: right;">optional</span>
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	28 - 60 mph
Wind resistance	28 mph (for take-off, cruise and landing) <span style="float: right;">tested</span>
Max flight time *	50 mins
Pre-flight checklist	Yes (integrated in MarLynk)
Temperature range	14°F - 104°F <span style="float: right;">tested</span>
GCPs	Not required with optional PPK module

## Results

Please check our [camera specification sheet](#)

\* Specifications depend upon environmental conditions



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