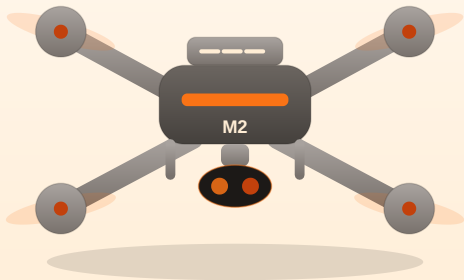


Mapple M2

Industrial · all-weather corridor & utility-scale



The M2 is our industrial airframe — RGB, thermal, and LiDAR captured simultaneously, hot-swap batteries, and an IP55 body rated for exposed sites. The standard configuration for solar-farm and power-line corridor work.

48 min FLIGHT TIME / BATTERY	28 kt SUSTAINED WIND RATING	9 km RANGE, RELAY- EXTENDABLE	3.77 kg TAKEOFF WEIGHT
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AIRCRAFT	
Class	Industrial all-weather inspection quadcopter
Takeoff weight	3.77 kg
Dimensions (unfolded)	470 × 585 × 215 mm
Max flight time	Up to 48 min · hot-swap dual battery
Max speed	23 m/s
Wind resistance	28 kt sustained / 35 kt gust
Operating range	Up to 9 km; relay-dock extendable
Operating temperature	-20 °C to 50 °C
Ingress protection	IP55 · rain, dust, exposed sites
SENSORS & PAYLOAD	
Zoom camera	48 MP, up to 200× hybrid zoom
Wide camera	12 MP
Thermal	640 × 512 radiometric · standard
LiDAR	Point-cloud scanning + 1200 m laser rangefinder · standard
Obstacle sensing	Six-directional
Positioning	Built-in RTK, centimeter-level
OPERATIONS	
Geofence	Soft + hard + corridor-following mode
Typical use	Transmission corridors, utility-scale solar, large complexes

