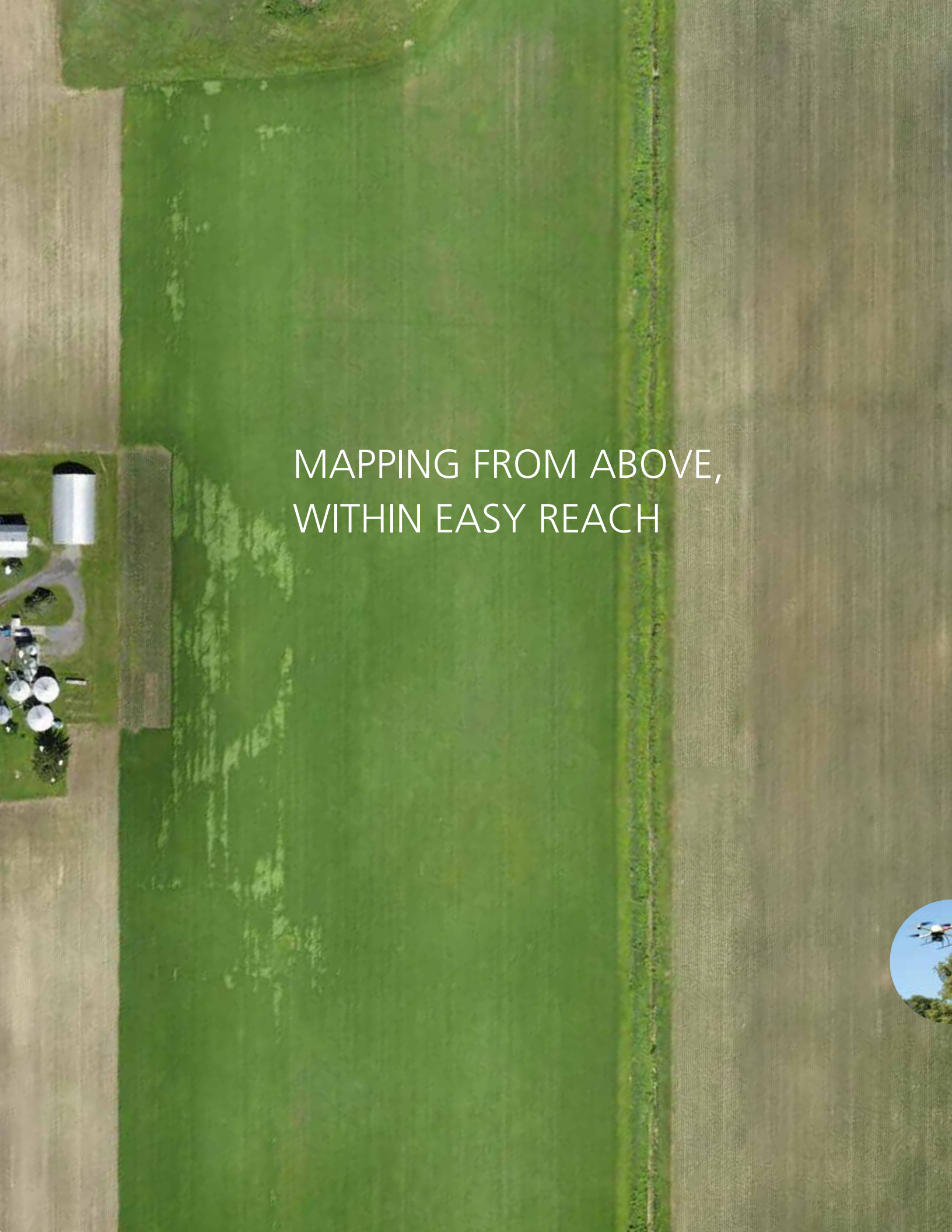
mdMAPPER 200

COMPACT MAPPER, CAN-DO ATTITUDE.

microdrones™



MAPPING FROM ABOVE, WITHIN EASY REACH

mdMAPPER 200

It's never been easier to make aerial mapping a part of your business.

Take your business to a higher level with a professional mapping solution from microdrones. This basic package has everything you need to complete mapping projects more quickly and accurately, while gaining a competitive edge.

Compact but robust, the md4-200 aircraft at the heart of this solution is lightweight and easy to transport – yet tough enough to stand up to rough weather and daily use. mdMapper200 is a reliable, professional solution that will allow you to stay in the air longer and map up to 25 hectares (62 acres).

The mdMapper200 package includes:

md4-200

md4-200
Robust, powerful, stable and dependable. Build your business on this versatile platform.

Lightweight Camera & Mount
20.1 megapixel camera paired with a custom, lightweight, vibration-free, nadir mount to capture the images you need.

Charger & Flight Battery
One md4-200 flight battery and charger for maximum flight endurance.

mdWaypoint
A flight planning module to prepare and carry out automated flights with your aircraft.

Digital Data Link
Conveniently connect your microdrones UAV to your digital devices.

mdRC
Proven, professional controls and telemetry keep you in control when you need it most.

mdCockpit Tablet Software
Simple swipes of the finger help you plan your survey area and monitor progress in flight on your Android tablet.

Rugged Carrying Case
Bring your microdrones UAV to tackle missions in the toughest corners of the Earth.

mdAcademy
Become an expert at flying and maintaining your platform, to ensure many years of successful use.

mdMapper200: Your gateway aerial mapping solution.

Get ready to elevate your business. This competitively priced, highly capable package makes it easy to start using drones on the job – or add a smaller, more lightweight UAV to your geospatial arsenal.

The compact md4-200 UAV is easy to take on any mapping job, yet achieves long flight times and reliability in less-than-perfect weather.

- Improve your efficiency with a high-quality German-engineered system.
- Achieve the same accuracy as traditional ground surveying in less time.
- Enjoy simplified transport of your UAV, thanks to its compact design.
- Fly 20 – 25 minutes, even in less-than-ideal conditions.
- Compatible with accessory kits for precision agriculture.

		mdMapper200	mdMapper1000	mdMapper1000DG
Flight Parameters	Area Covered (@120m)	30 ha. (74 ac.)	60 ha. (148 ac.)	80 ha (198 ac.)
	Camera model	Sony W830	Sony a6300	Sony RX1RII
	Imagery format	JPEG	RAW + JPEG	RAW + JPEG
	G.S.D. cm/pixel (@120m)	3.2 cm	2.4 cm	1.6 cm
	G.C.P.	Yes	Yes	No
	Overlaps (front/side)	80% / 60%	80% / 60%	60% / 40%
Post-Processing	Method	Aerial Triangulation	Aerial Triangulation	Optimized Aerial Triangulation / GNSS-Inertial Solution
	Orientation	Calculated during the A.T.	Calculated during the A.T.	High precision Sensor (INS)
	Position	GPS UAV	GPS UAV	High precision Sensor (GNSS)
	Accuracy	2.5cm (X,Y) and 5 cm (Z) with GCP	2.5cm (X,Y) and 5 cm (Z) with GCP	2.5cm (X,Y) and 5 cm (Z) without GCP
Advantages		Small area mapping	Large area mapping	• No GCP needed • Efficient flight planning – cover greater areas • Efficient post-processing (EO apriori and less images)