

WINGTRA MAP61

Map large areas faster Get high-res 3D maps

Ideal for high-resolution 3D reconstructions and large-scale mapping, thanks to its 61 MP sensor and its wide 93° field of view.



Max efficiency

Up to 460 ha (1140 ac) in a single flight at 120 m (400 ft)*



Quicker insights

Fast data capture via wide field-of-view saves both field and processing time



Reliable accuracy

Down to 2 cm (0.8 in) horizontal 4 cm (1.6 in) vertical



Easy mapping

Take off and land anywhere with VTOL, and process in WingtraCLOUD no matter your skill level

* 60 % side overlap

Use cases



Land management

Quickly capture parcel boundaries and obtain high-resolution data, even near buildings and trees.



Mining and metals

Safer operations via remote surveying for high-res 3D models promoting accurate slope and rock composition analytics.



Urban planning

High-res 3D digital twins and easier stakeholder participation for optimized planning and taxation.



Construction and infrastructure

Fly parallel to road corridors and get high-res views without stopping traffic for efficient maintenance, planning and monitoring.

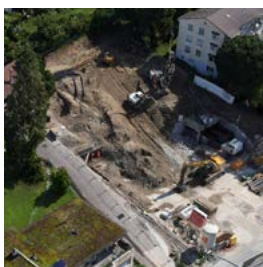


MAP61

Most efficient & outstanding 3D capabilities

Technical specifications	61 MP, full-frame sensor, 17 mm lens, low oblique configuration
Payload weight (incl. mount)	585 g (1.29 lb)
Lowest possible GSD	1.2 cm/px (0.47 in/px)
Maximum coverage at lowest GSD*	Up to 200 ha (500 ac) at 54 m (180 ft) flight altitude
Maximum coverage at 120 m (400 ft)*	Up to 460 ha (1140 ac) at 2.7 cm/px (1.06 in/px) GSD
Horizontal absolute accuracy (RMS) with PPK (w/o GCPs)	Down to 2 cm (0.8 in)
Vertical absolute accuracy (RMS) with PPK (w/o GCPs)	Down to 4 cm (1.6 in)
Sensor type	Full frame
Sensor size x	35.7 mm (1.4 in)
Sensor size y	23.9 mm (0.93 in)
Mega pixel	61
Shutter type	Focal plane
Pixel in x	9504
Pixel in y	6336
Focal length of lens	17 mm (0.67 in)
Focal length (35mm equivalent)	17 mm (0.67 in)
Front tilt angle (off-nadir)	15°
Vertical field of view	70° (-20° ... 50°)
Horizontal field of view	93° (-47° ... 47°)
Minimal trigger time	0.5 s
Minimal trigger distance	8 m (26 ft)

* 60% side overlap



DATASET: URBAN PLANNING

Area	42 ha (103 ac)
Flight time	22 min
Flight height	75m (250 ft)
Front overlap	80%
Side overlap	80%



EXPLORE THE
DATASET HERE

