



Oblique D2M

Five-Lens RGB Camera

The Oblique D2M is a powerful oblique imaging system consisting of five high-resolution multidirectional cameras, making it the ideal tool for large scale 3D photogrammetry.



A fast trigger interval along with custom high-speed storage provides class-leading time efficiency without compromising data quality. The payload combines four oblique and one NADIR camera to capture complex

geometries with ease. This ensures remarkable detail even on slanted surfaces and makes Oblique D2M destined for 3D mesh generation of high-rise areas, industrial environments, archaeological sites and alike.

Oblique D2M

Technical Specifications



GSD	1.50 cm @100m AGL
Cameras	1 x NADIR, 4 x oblique
Sensor Resolution	26 MP (6252 x 4168 px)
Total Resolution	130 MP
Trigger Interval	≥ 0.8 seconds
Sensor Type	CMOS
Sensor Format	APS-C
Sensor Size	23.5 x 15.6 mm
Focal Length	25 mm NADIR, 35 mm (oblique)
Payload Weight RTF	833.7 g
Flight Time	60 minutes
Storage	High speed data storage device (640 GB)

Sample Data



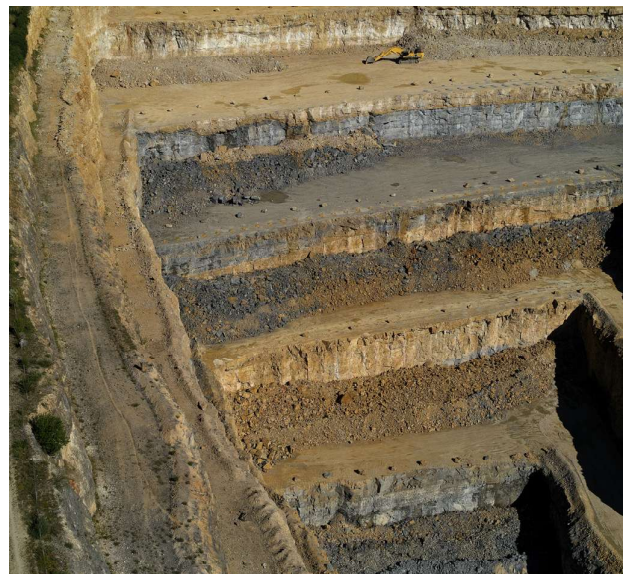
Flight Altitude
120 m | 393 ft AGL



Flight Speed
17 m/s



GSD
1.8 cm/px

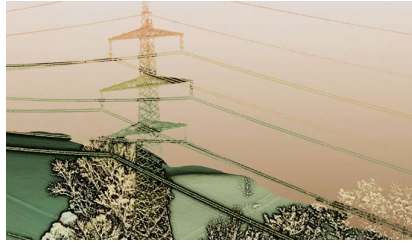


Applications



Surveying & GIS Services

- Cadastre
- Detail surveying
- Asset management
- City mapping / digital twin



Energy & Telecom

- Solar panel inspection
- Powerline inspection
- Infrastructure planning & mapping
- Infrastructure inspections



Agriculture

- Weed management
- Crop disease / pest monitoring
- Animal counting
- Plant counting



Mining

- Progress monitoring
- Volume / stockpile calculations
- Exploration mapping
- Environmental impact monitoring



Construction & Infrastructure

- Road / Rail design
- Pipeline inspection
- Construction monitoring
- Topographic surveys



Conservation & Environment

- Erosion mapping
- Coastal monitoring
- Deforestation assessment
- Species & habitat mapping



Forestry

- Plant counting / inventory
- Crop health
- Survival assessment
- Engineering management



Public Safety

- Search & rescue
- Damage & infrastructure assessment
- Flood assessment mapping
- Post disaster assessment & mapping