

OEA Consults LTD.

# Drone Catalogue

Our company has expert experience in satellite image acquisition using remote sources. Our mapping drones come outfitted with the best high-resolution UAV cameras available with the capability to collect the best available geo-rectified and colour-corrected images with almost zero cloud cover. We also specialise in generating accurate analysis and results using Geographic information systems and image analysis technologies.



## The DJI Phantom 4 PRO / PLUS / RTK

Incredibly rugged Drone suited for small area and corridor mapping. Has a battery lifespan of between 18 and 25 minutes depending on the function and an ultra-high-resolution camera with a 4k camera.



### Features and Functionalities

- 1cm resolution Horizontal and Vertical Accuracy for survey grade assignments.
- Suited for close range Building assessments, 3D Modelling, Rooftop mapping and short-range surveillance
- Incredibly popular and common
- Can generate lidar point clouds for automated extraction of building footprints, power lines and trees, as well as product Digital Surface and Elevation models.

## The DJI Mavic Pro

This drone is smaller than the Phantom 4 Series and is an incredibly rugged drone suited for small area and corridor mapping. Has a battery lifespan of between 18 and 25 minutes depending on the function and an ultra-high-resolution camera with a 4k camera.



## Features and Functionalities

- Suited for close range Building assessments, 3D Modelling, Rooftop mapping and short-range surveillance
- Sleek flight operations
- Very suitable for extremely small areas and tight spaces
- Powerful Cameras x 30 Zoom
- Flight ceiling up to 150 m

## The Walkera V1100

Sporting an incredible transmission range and a long battery life of about 60 minutes, the Walkera V Series is the ultimate drone for surveillance and inspections. Suited for large area developments, Thermal mapping, Modelling, and Long-range surveillance.



### Features and Functionalities

- The Walkera V also features a 30 mp camera lens with options between Thermal and Multispectral lenses
- Incredibly rugged Drone suited for large areas and Perimeter surveys
- 1 cm resolution Horizontal and Vertical Accuracy for survey grade assignments

## The Matrice RTK Series

The Matrice 300 RTK M 600 Pro is a group of elite drones with improved flight performance and better loading capacity. Pre-installed arms and antennas reduce the time required for setup, and the system's modular design makes it easy to mount additional modules. It is well suited for large area assessments, power line mapping, Real-time inspection and surveillance up to 25 km.



## Features and Functionalities

- The airframe is equipped with the latest DJI technologies, including the A 3 Pro flight controller, Lightbridge 2 HD transmission system, Intelligent Batteries and Battery Management Systems.
- Several Zenmuse cameras and gimbals are natively compatible and full integration with third-party software and hardware makes the M600 Pro ideal for professional aerial photography and industrial applications
- Can support up to 3 different Sensors at a time

## The WingtraOne

The Wingtra One drone is a fixed-wing drone that combines vertical take-off and landing (with long-range flight. WingtraOne PPK sets the new benchmark for drone survey equipment.



## Features and Functionalities

- It is safe and accurate.
- Can be operated everywhere (in confined spaces and rocky ground).
- Can complete large missions in less time (up to 400ha in one hour).
- Has high-quality cameras that can be swapped.
- Has a flight time of 59mins.
- Thanks to its design, a professional drone PPK GNSS L1/L2 receiver and high-quality mapping cameras, like the 42 MP full frame Sony RX1RII, it is now possible to reach down to 1 cm (0.4 in) absolute accuracy with an aerial survey drone.

## The DeltaQuad Pro

The DeltaQuad Pro is a VTOL fixed-wing mapping drone that comes with a fully integrated mapping mount for several types of high-grade camera systems. The system is outfitted with a trigger mechanism and an easy-to-use removable mount compatible with the selected camera. Asahi Dragontail glass is installed to protect the camera from dust or damage during takeoff and landing.



## Features and Functionalities

- Fully autonomous from takeoff to landing
- Covering up to 1200ha at 3cm/ px in a single flight
- Interchangeable mount for stable holding and maximum protection of the camera payload.
- Hardened glass window for protection against water, dust and damage during takeoff and landing.
- Fully autonomous mapping missions from takeoff to landing
- No pre-flight calibrations required
- Online mission validation & log analysis tools