

Remote Systems & Sensors

*"Altitude Imaging uses
professional drones and
sensors operated by highly
skilled remote pilots"*



Equipment

About Us

Altitude Imaging has been providing a comprehensive commercial drone service specialising in the provision of aerial photography, video, survey and inspection solutions for a range of industries since 2012.

Based in Perth, Altitude Imaging is one of Australia's most experienced certified commercial drone operations companies with a track record of successful projects across city, urban and remote country locations.

Altitude Imaging is fully certified and insured, the company holds CASA ReOC 0669 and our pilots all hold CASA Remote Pilots Licenses.

Professional Drones and Cameras

We use high performance multi-rotor and fixed wing drones to capture aerial photographs, video and data to deliver outstanding results for our customers.

Our professional systems are multi-functional and capable of deploying a variety of camera and specialist payloads. High quality cameras and gyro stabilised camera gimbals combine to provide industry leading image quality.

Precision internal flight and navigation systems provide positional accuracy and we offer GPS, PPK and RTK solutions.

All our systems and equipment are easily transported as commercial airline baggage or road freight.

You won't miss the action with our amazing flight times. We have drone systems that are powered from the ground and can stay operational in the air on an unlimited basis, anytime, anywhere, day or night.

Our Microdrone and M210 systems are less sensitive to weather conditions and we are fully approved to fly in the rain and at night.



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Md4 1000

Survey - Mapping - Thermal Imaging

Manufacturer	Microdrone	Model	Md4-1000
Positioning	GPS, PPK	Gimbal	Custom
Standard Cameras	Sony A7R, FLIR A65	Flight Time	30 minutes
Tether Option	No	In Service	2

The Md4-1000 is a survey grade quad copter especially designed and configured for long duration survey and inspection operations.

The robust carbon fibre body is sealed and weather resistant allowing the drone to fly in the rain and in very dusty environments. Using Altitude's custom gimbals a range of survey and inspection packages can be fitted.



Key Features

- Stable survey platform
- Rain and dust resistant
- Ideal for pipeline inspections
- Electromagnetic shielding
- Quiet

Alta 6

Cinematography - Photography - Inspection

Manufacturer	Freefly	Model	Alta 6
Positioning	GPS	Gimbal	Freefly Movi M5
Standard Cameras	Sony A7R, Canon 5D	Flight Time	20 minutes
Tether Option	No	In Service	1

ALTA 6 is a professional multi-rotor aircraft designed for demanding cinematic, television, and photographic applications. The ALTA 6 can fly some of the most capable cinema cameras.

The Movi M5 Gimbal can be interchanged to permit either top or bottom mounted cameras providing unparalleled shooting options.



Key Features

- Movi M5 Gimbal
- Top or bottom mount camera
- 7kg Payload
- Multiple camera options
- Long Endurance
- Cinematic movements

Matrice M210

Inspection - Thermal Imaging - Survey - Mapping

Manufacturer	DJI	Model	M210
Positioning	GPS, PPK	Gimbal	Zenmuse
Standard Cameras	X5S, FLIR XT	Flight Time	30 minutes
Tether Option	Yes	In Service	2

Purpose built for demanding industrial inspections and remote survey work the M210 is able to carry multiple cameras in either top or bottom mounted configurations.

Shielded for electromagnetic interference, able to fly in the rain and fitted with a range of safety features including obstacle avoidance and redundant components the M210 is the ideal inspection platform. Compatible with Altitude Imaging's tethered drone service for unlimited flight durations.



Key Features

- Top or bottom mount cameras
- Multiple camera options
- Long Endurance
- Collision avoidance
- Dual battery
- Unlimited duration flights with tethered power system
- IP43 rating

Inspire 2

Video - Photography

Manufacturer	DJI	Model	Inspire 2
Positioning	GPS	Gimbal	Zenmuse
Standard Cameras	X5S	Flight Time	20 minutes
Tether Option	No	In Service	1

The Inspire 2 Quadcopter is a powerful cinematic and photographic tool designed for demanding cinematic, television, and photographic applications. With multiple camera and lens options the Inspire 2 can follow fast-moving subjects for dramatic sports and action footage.

With either single or dual crew operation and incorporating leading safety features including obstacle avoidance and multiple redundant systems the Inspire 2 is a safe and versatile drone.



Key Features

- Multiple camera options
- Collision avoidance
- Cinematic movements
- High speed flight
- Dual or single operation
- Highly stabilised gimbal
- Dual battery

Phantom

Video - Photography - Small Surveys

Manufacturer	DJI	Model	Phantom 4 Pro
Positioning	GPS	Gimbal	DJI
Standard Cameras	DJI sensor	Flight Time	30 minutes
Tether Option	No	In Service	1

The Phantom 4 Pro is a small yet highly capable drone incorporating a 20MP sensor on a stabilised 3 axis gimbal. The drone features obstacle avoidance, flight autonomy and is quick and simple to deploy.

This drone is fully capable of conducting automated waypoint flights and is ideal for simple photography, video or survey work with a single pilot.



Key Features

- Small
- One person operation
- Collision avoidance

UAV Mapper

Survey - Mapping

Manufacturer	Tuffwing	Model	UAV Mapper PPK
Positioning	GPS, PPK	Gimbal	Internal
Standard Cameras	A6000	Flight Time	40 minutes
Tether Option	No	In Service	1

Ideal for large area coverage the UAV Mapper is a specialised Survey and Mapping drone. Capable of high speeds the drone can easily survey 1 square kilometre in one flight. The UAV Mapper is wind resistant and with GPS and PPK positioning delivers highly accurate survey data.



Key Features

- Conventional or parachute landing
- Long Endurance
- Rugged construction
- NDVI Capability
- Commercial grade

Versatile Aerial Cameras

Manufacturer	Sony	Model	A7R II
Resolution	42MP	Stills	3:2 42MP
Standard Lenses	Multiple options	Video	HD and 4k
Applications	Photography, Video, Inspection, Survey		



Manufacturer	Sony	Model	A6000
Resolution	24.3MP	Stills	3:2 24MP
Standard Lenses	Multiple options	Video	HD
Applications	Photography, Survey		



Manufacturer	Canon	Model	5D Mk III
Resolution	23.4MP	Stills	16:9 23.4MP
Standard Lenses	Multiple options	Video	HD
Applications	Photography		



Manufacturer	DJI	Model	X5S
Resolution	20.8MP	Stills	16:9 MP
Standard Lenses	Multiple options	Video	HD, 4k, 5.2k
Applications	Photography, Video, Inspection		



Manufacturer	DJI	Model	Z30
Resolution	2.1MP	Stills	3:2 2.1MP
Standard Lenses	30x optical 6x digital zoom	Video	MP4
Applications	Inspection, Surveillance		



Manufacturer	DJI	Model	X7
Resolution	24MP	Stills	3:2 24.1MP
Standard Lenses	Multiple options	Video	HD, 4k, 6k
Applications	Photography, Cinematography		



Manufacturer	DJI	Model	P4
Resolution	20MP	Stills	16:9 20MP
Standard Lenses	24mm	Video	HD and 4k
Applications	Photography, Video, Survey		



Precision Radiometric Thermal Cameras

Manufacturer	DJI – FLIR	Model	XT Radiometric
Resolution	330KP	Stills	640 x 512
Standard Lenses	13mm 8x Zoom	Video	25Hz PAL
Applications	Thermal Imaging		



Manufacturer	FLIR	Model	A65 Radiometric
Resolution	330KP	Stills	640 x 512
Standard Lenses	25mm 4x Zoom	Video	30HZ PAL
Applications	Thermal Imaging		



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Support Equipment and Custom Solutions

Altitude Imaging is based in Perth and operates from a fully equipped office and workshop. With extensive computing and software tools we can edit and process everything from simple photographs through to complex large area 3D models.

Our engineering team designs and builds custom payloads and gimbals for specialised operations.

When on the road we operate fully equipped and dedicated mine specification 4WD support vehicles with custom work bodies designed to carry multiple systems and support equipment. These vehicles include solar chargers to enable continuous environmentally friendly charging of drone batteries.

Examples of specialised and custom solutions include: -

- Laser Measurement Indicators

Project a dual eye safe green laser to the centre of the camera image when the camera trigger is activated. The lasers appear as two green dots on the image spaced at exactly 100mm apart. This enables scaling on inspection images where no obvious feature exists.

- M210 Tethered Drone System

Altitude Imaging's Tethered Drone Services introduces a new capability that enables unlimited flight times using highly capable drones that are powered from the ground using a ultra-light incredibly strong tether cable. This permits continuous and uninterrupted operation without the need for landings and battery changes, providing a level of safety that is unmatched by free flight drones.



"Altitude Imaging has been providing professional aerial drone services since 2012. We are Certified, Accredited and Approved to national and international standards."

Want To Know More

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