

# Unlimited Aerial Observation

*"We monitor areas and  
collect data for hours  
anywhere, anytime"*

## Tethered Drone Services

# 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.

## Tethered Drone Services

As a highly experienced drone operator, we understand the benefits and flexibility that drones bring to a wide range of applications and industries. There are however limitations due to flight times, battery logistics and safety issues when flying in certain locations.

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 an 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.

Tethered drone services are ideal for sensitive areas like main roads, airports, ports, concerts, and sporting events.

*"Altitude Imaging's Tethered Drone Services offer a continuous real-time aerial video stream, allowing constant data monitoring, collection and analysis, anywhere, anytime."*

## Features and Benefits

- ✓ Our flight time is unlimited and we can operate day and night.
- ✓ Surveillance is not interrupted due to battery changes or pilot fatigue.
- ✓ Up to 100m operating altitude offering expansive views.
- ✓ No fly-away risk.
- ✓ Weather-resistant, we can fly in rain and strong winds with our IP43 rated systems.
- ✓ Multiple cameras including Thermal Imaging for night operations.
- ✓ 240V operation from mains or generator with drone battery backup.
- ✓ Faster, more efficient, less costly and more flexible than temporary masts or installations.
- ✓ Ideal for sensitive areas including events, concerts, airports, ports and sporting venues.
- ✓ All video can be viewed, recorded and broadcast live with HDMI and SDI outputs.

*"Our Services can be deployed for long-term operations and cover large areas for several hours, or focus steadily on specific activities that require precise analysis."*

# Applications



## Event Aerial Surveillance

- Provide continuous real time views of events and nearby areas assisting decision-making processes and risk reduction.
- Observe crowd movements and behaviour.
- Detect incidents quickly, thanks to 360-degree zoom.
- Quiet and unobtrusive.
- Secure data recording.
- Thermal Imaging for night operations.



## Traffic Monitoring

- Monitor traffic with constant aerial video streaming and recording.
- Easily deployable and highly efficient.
- Quiet and unobtrusive operations with a small drone that does not affect driver behaviour.



## Emergency Services

- Generate situational awareness in Emergency situations.
- Can be continuously deployed for long-term operations and cover large areas for several hours or focus steadily on specific details that require precise analysis.
- Operate in most weather conditions including high wind and rain.



## Breaking News Live Sport

- Record the right scene at the right time.
- Perfectly suited for immersive aerial filming on large outdoor events like concerts and sports.
- Safety deploy for another camera angle.



## Industrial Inspections

- Stay in the air for a full inspection without landing.
- No continuous battery changing/charging.
- Improved productivity
- Ideal for Towers and Large Structures.



## Temporary Telecommunications

- Rapid deployment of popup airborne antennas for 24/7 public safety and cellular signal coverage during emergencies and events.
- Local Wi-Fi networks, radio, 3G, 4G.

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# Versatile Airborne Cameras



- Altitude Imaging uses the latest tethered drone systems that can be configured to carry cameras in three configurations: -
  - Single downward camera
  - Single upward camera
  - Dual downward cameras
- Our professional standard camera options include: -
  - 4K Video/20.8MP Stills Camera
  - Multiple fixed and zoom lens options
  - 640 resolution Thermal Camera
- Live, constant and interactive control of all cameras.
- Constant video stream to ground monitors with secure recording and live broadcast options.
- Custom payloads can be developed to meet customer requirements.



*"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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