



AERIAL IQ

INDIA . AUSTRALIA



ANCHORED DRONES, ELEVATED PERFORMANCE

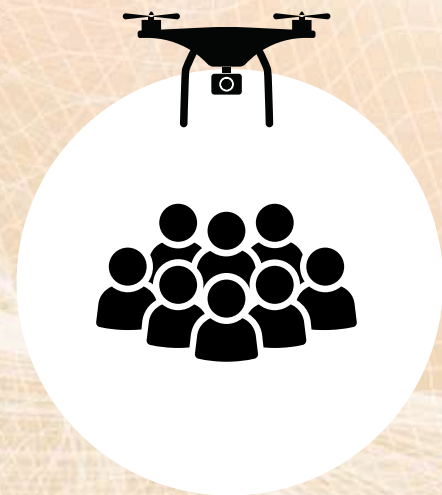


Revolutionizing Security with Tethered Drone Solutions

Our flagship tethered drone, Aviral, is a state-of-the-art indigenous aerial monitoring system, built to provide accurate surveillance capability in all terrains and industrial scenarios. We have meticulously innovated our technology through years of experience in the aerospace industry. Our mission is to ensure that every life and asset on the field is protected via intelligent surveillance.

Bridging the Gap

Standard security solutions often fall short, either lacking comprehensiveness or cost-effectiveness. Aerial IQ bridges this gap with our cutting-edge tethered drone technology. Our drones offer long-term, terrain-independent security for diverse sectors, including:



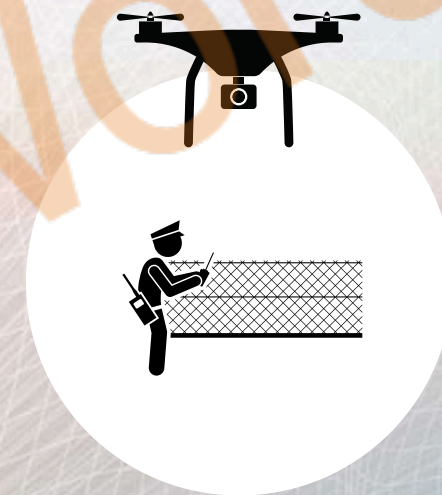
Crowd Control

Monitor large gatherings with real-time, high-resolution video feeds



Mining

Secure surface and underground operations, minerals processing, and construction facilities under extreme conditions



Perimeter Security

Ensure robust surveillance for wide-area protection



Refineries

Enhance safety in volatile environments with flammable gases and other hazards

Security Market Statistics

The global security market is rapidly growing, with the Asia-Pacific market projected to exceed \$40 billion by 2025.

However, significant security gaps persist, particularly in India:

| | | | | |
|--|--|---|--|--|
| <p>Daharra Stone Mine</p> <p>Fatal incident due to a misplaced high bench</p> | <p>Sial Ghogri Coal Mine</p> <p>Worker death from inadequate security</p> | <p>Tumkur Quarry</p> <p>Explosive mishap injuring multiple workers</p> | <p>Crowd Control</p> <p>Injuries at a Chennai festival due to poor crowd management</p> | <p>Perimeter Security</p> <p>Security breach at Jamnagar refinery</p> |
|--|--|---|--|--|

These examples underscore the need for better security measures.

Studies show the right technology can prevent such incidents, and stakeholders are pushing for improved standards.

Aerial IQ's Tethered Drone Solutions

Unlike traditional drone-based security systems that require constant human monitoring, tethered drones can operate remotely and for hours at a stretch. Furthermore, the tether system allows it to be mounted on any vehicle or platform.

It also serves as the data transmission system via a fibre-optic link, making this solution perfect for any industrial situation.

Key features of our tethered drone technology

Receive uninterrupted and accurate data including high-res video footage

High payload capacity along with multiple attachments such as camera, radio, sensors, etc.

Fully autonomous flight features including take-off and landing

Real-time transmission with a power backup

Perfect for security, surveying, disaster management and asset inspection purposes

Benefits of choosing Indian tethered drone OEM over foreign companies

- As a Make in India initiative, we understand the specific requirements of the landscape, thereby customizing our solutions.
- We have already secured all regulatory processes and will continue to do so with any further updates
- Seamless support as we are always only a call away from solving any technical and/or software issue.
- We are committed to upholding international quality and innovation standards through our Indian OEM mission.
- By choosing a Make in India initiative you are directly helping the domestic manufacturing industry.



Aerial IQ Drones vs Regular Drones

Our tethered drones excel at every quantum of the security industry

| | Aerial IQ Drones | Regular Drones |
|------------------------------|--|--|
| Endurance | Very high endurance (Airborne for upto 12 to 18 hours) | Requires charging every 30 minutes |
| Handling requirements | Easy to use, requires very basic technical knowledge, single-person operating capability, autopilot capability | High-end training is required, and at least 2 people required to operate |
| Monitoring requirements | Absolutely no monitoring is required | Requires constant monitoring |
| Safety features | Safe from anti-drone tech, safe to deploy in crowded areas, backup power available | Multiple security issues, not meant for use in highly populated areas |
| Deterrence capability | Constant and overt deterrence at strategic locations | Minimal deterrence capability |
| Data transmission capability | Fast, real-time data transfer capability, long-range capability, fibre-optic cables | Lags in data transfer, only short-range operability, RF interference |

Aerial IQ is the perfect partner for security companies

From enhanced surveillance and monitoring to better maneuverability and ease of use our service provision is truly unmatched.



Better border and perimeter control via HDR video capability



Highly secure data transfer and protection against anti-drone mechanisms



A durable 120m tether cable allows for greater maneuverability and rescue ops



Quick setup and terrain-independent integration ensure all-around security



Water and dust resistant, wind resistance up to 45kmph



Capable of flying continuously for over 12 hours



Like an eye in the sky, it can monitor a specific area interrupted for hours



Provides long-term data for detailed analysis for efficient deployment of resources

Amplifying Security with Omnidirectional Aerial Surveillance

Force Multiplier

Elevate your existing security setup with tethered drones that provide comprehensive aerial coverage

Enhanced CCTV Effectiveness

A single tethered drone can exponentially increase the effectiveness of your CCTV systems

Smart Response

Drones can instantly focus on areas flagged by human guards or CCTV for real-time monitoring of the flagged area

Precision in Threat Detection and Response

Continuous Target Tracking

Real-time location tracking ensures the target's accurately mapped position is always known, enabling swift and precise action

Accurate Deployment

Direct response teams with precision to the exact location of the threat can be deployed

Command Center Integration

Live video feed from the drone can be seamlessly relayed to HQ for immediate action

Security Companies In The 21st Century Need To Adopt The Power Of Cutting-Edge Tech

By deploying our tethered drones:

You will feel a reduced need for security personnel since our drones provide over 8 hours of surveillance capability

Our energy-efficient monitoring means you will save on energy costs

Our autopilot system is highly intuitive thereby ensuring reduced manned hours

Due to the multi-faceted benefits of Aerial IQ drones, security companies can win on every front

We have successfully aided multiple security teams in enhancing their services and also provided our tech to the Indian military and police force for various operations.

How Aerial IQ Helped the Gujarat Police

The elite team of Gujarat Police was looking for a set of specific security solutions for high-profile events, VIP areas, disaster response, tactical monitoring, etc

- They needed monitoring tech that could be long-lasting without having to recharge.
- Continuous high-res recording capability was also required.
- The security machinery also needed to carry heavy payloads seamlessly.

The latest model 'Aviral' from Aerial IQ was just the solution they needed

- Due to our rotor technology, more than 8 hours of flight and recording capability was achievable.
- The usage of optical fibre cable ensured that real-time HD video recording could be transmitted.
- The high-payload capacity of the Avrial means easy mounting of a 30X zoom camera, perfect for monitoring requirements.
- A ground control system could be set up to operate the drones remotely.

The Aviral was largely adopted by the Gujarat police and used for various security and surveillance missions, including the 2023 Rath Yatra, Cricket World Cup matches, Ganapati Festival, etc.



Further uses of Aerial IQ by Gujarat Police

While the Gujarat police hired our tethered drones for specific events, they soon realized the true capabilities of the technology. We were also able to successfully integrate with their existing security technology, increasing both capability and performance.

The security team of the police successfully used Aerial IQ drones for:

- Coastal security
- Border security
- Search and rescue ops
- Critical infrastructure monitoring
- Disaster management
- Fire-fighting
- Remote area communication ops

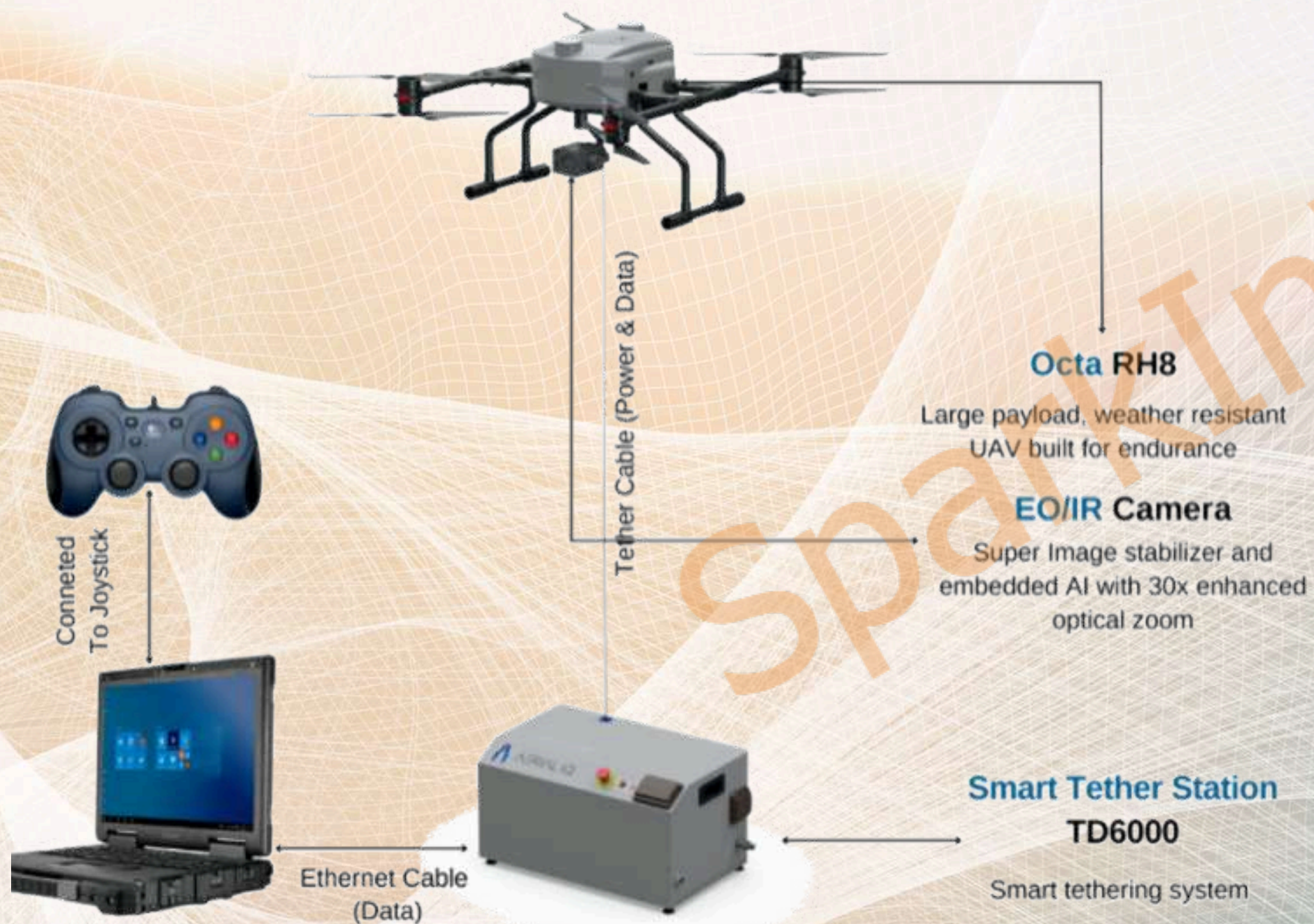
Aerial IQ is a revelation in the domain of security ops in India. Be it military and police based operations, industrial functions, or risk-based operations such as mining; our drones have the capability to provide end-to-end support and protection

Technical Specifications and Capabilities

- 12 hr+ airborne capability
- Inbuilt 4G comms capability
- Real-time, HDR video relay with 30x zoom
- Heavyweight payload carriage capability
- Remote operability
- Single operator required with basic training
- Autopilot mode available
- Immune to counter-drone systems
- Weather resistant (up to 45kmph wind speed)
- Up to 150m tether
- 6kw power output
- Onboard power backup
- Vehicle integration capability
- Night surveillance capability
- 3 modes – ground-based, vehicle-mounted, vessel mounted



Further Technical Advantages



- Aerial IQ tethered drones can easily integrate into your existing security system
- All maintenance and support services are provided by the team
- Regular software updates
- AI-integration capability
- Port for ethernet connection and data communication
- Personalized GCS software | Mission Planning | Rugged Hardware
- Safety Features Over-current protection | Shortcircuit protection | Backup battery

Our Global Reach and Experience

Aerial IQ has dominated the security market both in India and internationally with our state-of-the-art tethered drone model Aviral

We have also deployed our drones to ensure security measures at high-profile events such as

- **Cricket World Cup matches**
- **Large-scale religious processions**
- **VVIP security details**

Our drones have been used by the Indian defence forces and Indian police to maximize their security and surveillance measures. We have also presented our product at multiple expos and received great accolades!



Partner with Aerial IQ for Superior Security Solutions

We are a Make In India brand and continue to support the domestic manufacturing industry.

Reach out to us today for a demo or personalized consultation session. We look forward to hearing from you.

Mail us: info@aerialiq.in
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Thank you from the Aerial IQ team!