

Reporter Drone Tepe K2

The reporter drone Tepe K2, manufactured by Anadolu Agency (AA) Teknoloji, can fly in low and narrow areas without creating threats in risky and strategic regions where flying is difficult and visual contact is unavailable.

Media and Publishing Challenges

Media organizations require high mobility in rapid content production and continuous live broadcast processes. However, GPS-dependent drone systems lower operational efficiency in areas where the signal is weak and limit capturing footage from different angles, making it difficult to enhance news content. GPS signal losses can negatively affect image transmission, live broadcast continuity, and field control processes. The decrease in flight stability in areas experiencing signal interference poses risks to media operations in terms of safety and continuity.

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What Problems Does It Solve?

· Provides continuous and stable flight in areas where the GPS signal is insufficient.

· Increases operational efficiency in indoor areas and disaster zones.

· Reduces connection and location problems during live broadcasting and image transmission.

· Provides fast and secure usage across media operations.

Core Principles

Security

Preserves operational continuity by providing safe flight opportunities in challenging and risky zones.

Speed

Offers instant control and rapid intervention possibilities thanks to low-latency image transmission.

Continuity

Provides uninterrupted flight and broadcast support in different field conditions without GPS dependency.

Flexibility

Offers effective mission capability in narrow spaces, enclosed areas, and harsh environmental conditions.

How Does Tepe K2 Work?

Tepe K2 can perform stable flights without GPS support thanks to its specially developed FPV infrastructure, low-latency image transmission, and precision control system. It offers high maneuverability and uninterrupted operational performance in harsh field conditions.

Technical Specifications

FPV Flight System

✔ Manual FPV flight without GPS

✔ Low-latency image transmission

✔ Precision control support

✔ Rapid installation and deployment advantage

Image and Broadcast Technologies

✔ 4K dual camera support

✔ Live broadcast transmission

✔ Internal image storage system

✔ Recording support to operator goggles

Operational Capability

✔ Flight support in narrow spaces

✔ Mission capability in risky regions

✔ Strong wind resistance

✔ 10km operational range

Data and Control Management

✔ Instant flight data tracking

✔ Centralized operation control

✔ REST API support

✔ Dynamic enhancements

Security and Durability

✔ Uninterrupted connection infrastructure

✔ Secure landing support

✔ REST API support

✔ Durable compact body structure

Workflow

1. Preparation and Image Transmission

· Camera and broadcast systems are activated.

· Operator establishes FPV goggle connection.

· Image transmission is initiated in real time.

· The system is made ready for flight.

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2. Manual FPV Flight Operation

· Pilot manages drone control instantly.

· Low-latency image transmission is provided.

· Precision maneuvers are performed in narrow spaces.

· Stable flight is preserved in strong winds.

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3. Mission Management and Data Recording

· Images are transferred simultaneously to pilots and viewers.

· Operational processes are monitored live.

· Flight logs are stored automatically.

· Post-mission system data is analyzed.

Centralized Data Analysis and Update

Performance is evaluated by the pilot according to flight data, improvements are dynamically applied by the avionic system, and updates can be made manually.

Advantages

Stable Flight Without GPS

Tepe K2 ensures stable flight performance in challenging areas thanks to precision pilot control.

Instant Telemetry and Multi-Monitoring Support

Instant flight data can be transferred simultaneously to the pilot and viewers with multi-monitoring support.

Data Transmission

Thanks to low-latency image transmission, the pilot can control the flight instantly and precisely.

Dynamic PID Optimization

The avionic system dynamically applies the necessary performance improvements according to flight data.

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AA Teknoloji is an AI-powered media technologies platform developed for modern newsrooms. Our integrated solutions, ranging from news workflow systems to digital archive solutions, real-time broadcasting infrastructure to multi-channel content management, accelerate the digital transformation processes of media organizations and offer scalable broadcasting operations.

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