



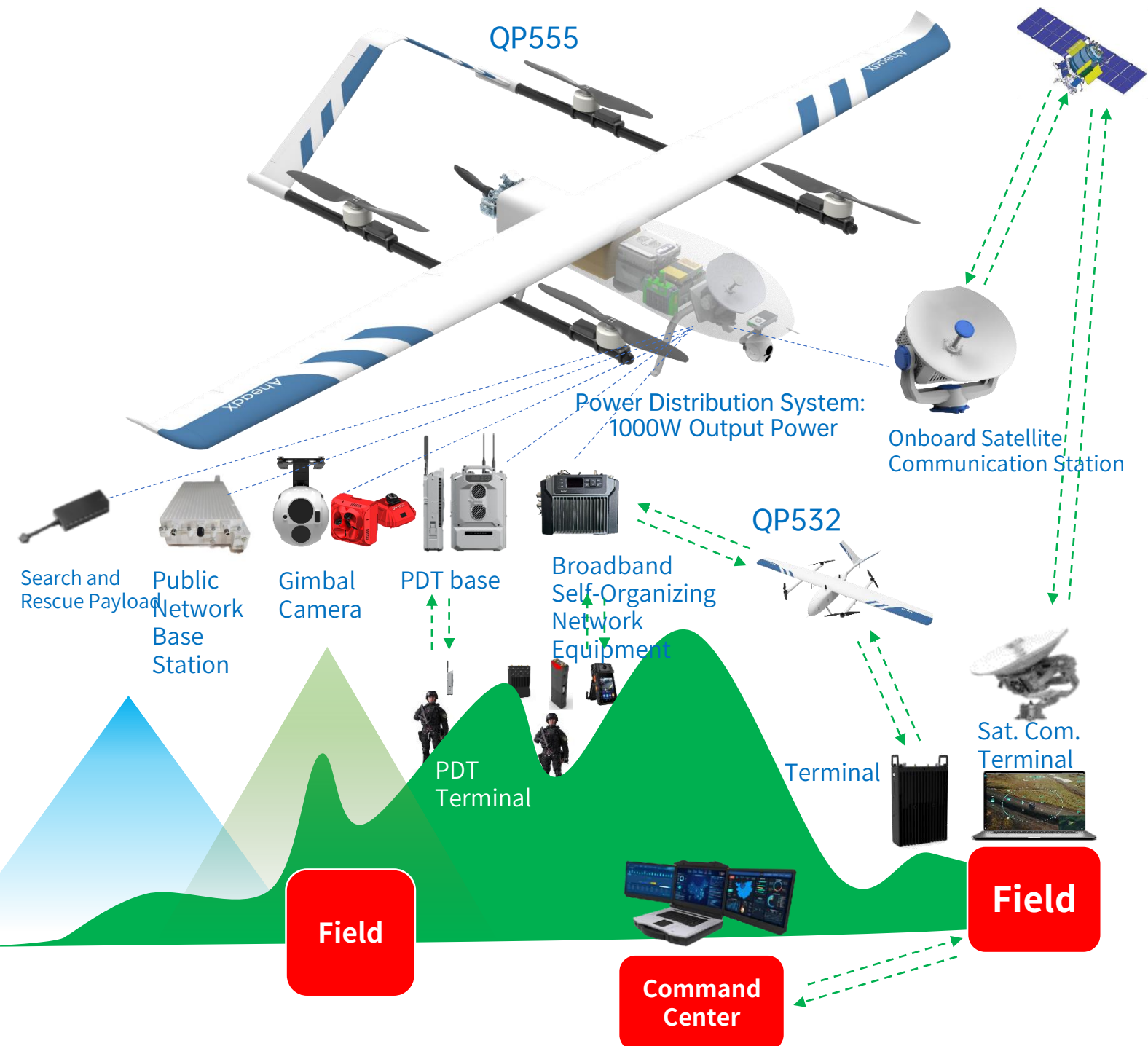
# QP555

## Hybrid VTOL Drone

Medium Hybrid VTOL Drone

# QP555

The QP555 medium-sized drone emergency rescue platform has advantages over small drones in terms of long endurance and large payload. With longer loiter time, it can accomplish a greater variety of higher-performance tasks and carry heavier payloads, meeting the demands of more demanding emergency rescue scenarios. The QP555 medium-sized drone power distribution system can output 1000W of power for onboard equipment, enabling the mounting of high-performance emergency reconnaissance/communication equipment. It can mount electro-optical pods/pentacam, public network base stations, broadband self-organizing network equipment, PDT cluster base stations, satellite communication stations, search and rescue payloads, etc., further enhancing disaster area situational awareness, temporary communication recovery, and search and rescue capabilities.



# Payload



**Electro-optical  
gimbal**

It can provide real-time transmission of visible light/infrared/wide-angle images on-site or real-time stitching of disaster scene images for three-dimensional modeling, allowing for immediate understanding of the disaster situation, disaster assessment, and providing firsthand data for emergency rescue.



**Public Network  
Base Station**

Provide fast operator public network air-to-ground signal coverage to restore handheld mobile calls and network connections for disaster-affected populations.



**Satellite Communication  
Station**

Consisting of satellite subsystems, operator base station subsystems, and image transmission subsystems, it quickly establishes satellite communication coverage in disaster areas.



**PDT Base**

Addressing the communication needs of emergency personnel for portable communication terminals, rapidly establishing emergency communication cluster networks, and efficiently deploying rescue operations.



**Broadband Self-  
Organizing Network**

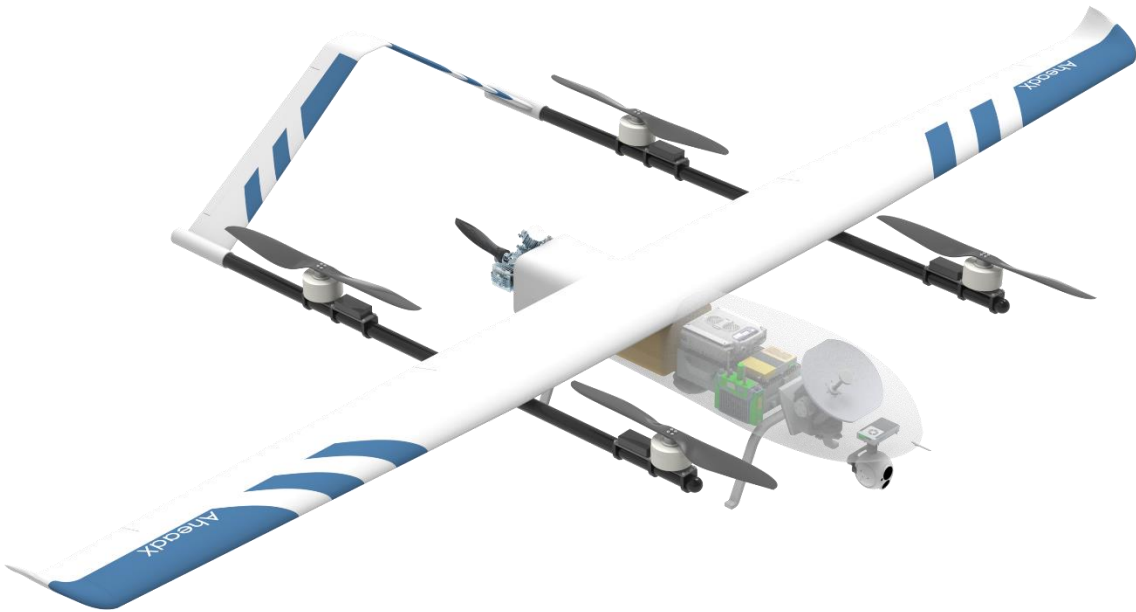
Rapidly establish text/voice/video communication between communication support personnel, drones, dispatch centers, and command centers to provide crucial information support for emergency rescue operations.



**Onboard Search and  
Rescue Payload**

Search for target mobile phones within the scope of the disaster area mission to accurately locate the positions of affected individuals.

## QP555



**ALL NEW QP555 Hybrid VTOL drone with Satelite communication module available.**

- Endurance 7 hours with 30kg payload, 15 hours with 10kg
  - Range is 1000 km
  - Max. speed 140 km/h
- Pratical Ceiling 7000 meters
  - Datalink 50 to 160 km
- Level 5 to 7 wind resistance
  - Backup data link,
  - 3D ground station,
  - cloud system
- Max. Take-off weight 130kg
- Max. payload weight 30kg Payload customizable
  - Fuselage Length: 4m
  - Wingspan: 6mMax.
  - Climbing Speed: 6m/s
  - Power: Gasoline Engine
- Payloads: Lidar, Photoelectric SAR ray