

GEMINI Quadcopter

AI-Powered Flight
Domestic Dual-Link
Inspection Specialist



Dual-Link Communication

RF & 4G Connectivity



Centimeter-Level High-Precision Positioning

Advanced RTK System



Intelligent Obstacle Avoidance & Level 6 Wind Resistance

Omnidirectional ToF Sensors



Equipped with PilotGaea SH7V1 flight controller
certified by ArduPilot

Enhanced system ecosystem compatibility
for national defense and commercial security applications



AI Vision Recognition
Ensures Safe Takeoff and Landing
Intelligent Mission Dispatch
Enables Automated Reconnaissance

HOT

AI Firefighting Rapid Search & Multi-UAV Collaborative Command System
「One-Click Multi-Drone Deployment with Zero-Latency Real-Time Video Feed」

Automated Dispatch: Developed with ITRI; streamlined workflows for an intuitive user experience.

Field-Proven Results: Certified through rigorous testing by Taipei and Kaohsiung Fire Departments.

Multi-UAV Collaboration: One-pilot fleet management for large-scale automated patrol missions.

Real-Time Decision Support: Instant video feedback for a complete overview of the fire scene.

Professional Terminology

Dimensions(L x W x H)	312x402x162 mm (Excl. Props)
Wheelbase	450 mm
Max Takeoff Weight	2.1 kg
Maximum Cruise Speed	40 km/h
Max Takeoff Altitude (MSL)	1000 m
Positioning Modules (Optional)	GPS/RTK
Payload Options	Monocular / Thermal Imaging

Years of Expertise in Spatial Information Technology
Made in Taiwan • Quality Assured



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Development



Distribution