

EQUIPMENT & INSURANCE REQUIREMENTS

AeroSure Network Pilot Requirements Guide

APPROVED DRONE EQUIPMENT

AeroSure requires professional-grade equipment to ensure consistent, high-quality deliverables. All pilots must operate one of the approved platforms listed below.

Tier 1 — Standard Inspections

Approved for standard property inspections, residential/mid-rise buildings, routine documentation, and post-storm assessment.

Make/Model	Key Specifications	Est. Cost
DJI Mavic 3 Enterprise	20MP camera, 45-min flight time, O3+ transmission	\$4,500 - \$5,000
DJI Mavic 3 Thermal (M3T)	20MP RGB + 640×512 thermal, radiometric	\$4,800 - \$5,500
DJI Mavic 3 Pro	Hasselblad 20MP, triple-camera system	\$2,200 - \$2,500
DJI Air 3	48MP dual-camera, 46-min flight time	\$1,100 - \$1,500
Autel EVO II Dual 640T	8K RGB + 640×512 thermal, radiometric	\$5,000 - \$6,000

Tier 2 — Complex / Large Site Inspections

Required for large site mapping (50+ acres), high-rise facade inspection, infrastructure, and precision volumetrics.

Make/Model	Key Specifications	Est. Cost
DJI Matrice 4T	55-min flight time, RTK positioning	\$8,000 - \$10,000
DJI Matrice 300 RTK	55-min flight time, RTK positioning, IP45 rating	\$10,000 - \$13,000
DJI Matrice 350 RTK	55-min flight time, enhanced RTK, IP55 rating	\$11,000 - \$14,000
DJI M30T	48MP + thermal + laser rangefinder, 41-min flight	\$14,000 - \$16,000
DJI Zenmuse H20T Payload	20MP + thermal + zoom + laser (for M300/M350)	\$10,000 - \$12,000

NOT APPROVED — Consumer-Grade Equipment

The following consumer-grade drones are NOT approved for AeroSure missions due to camera resolution, wind tolerance, and reliability limitations:

NOT APPROVED	Reason
DJI Mini Series (Mini 4 Pro, Mini 3, Mini 2, etc.)	Insufficient camera resolution; limited wind tolerance; no thermal option
Autel Nano Series (Nano+, Nano)	Consumer-grade; limited payload; insufficient for commercial inspections
DJI Spark, Tello, or similar toy-grade drones	Not suitable for any commercial application

INSURANCE REQUIREMENTS

All AeroSure network pilots must maintain the following insurance coverage at their own expense. Insurance verification is required before mission assignment and annually thereafter.

Required Coverage

Coverage Type	Minimum Limit	Requirements
Drone Liability	\$1,000,000	Per occurrence. Must cover bodily injury and property damage arising from drone operations. REQUIRED.
Additional Insured	Required	AeroSure LLC must be named as Additional Insured on your policy. Certificate must reflect this endorsement.
Hull / Equipment	Recommended	Covers damage to your own drone. Recommended at 8-12% of equipment value annually. NOT required by AeroSure, but strongly recommended.

Certificate of Insurance (COI) Requirements

Your COI must include the following:

- Policy number and coverage limits (\$1M minimum)
- Coverage type clearly stating "Unmanned Aircraft" or "Drone" liability
- AeroSure LLC named as Additional Insured
- Policy effective dates (must be current)
- 30-day notice of cancellation clause

Recommended Insurance Providers

The following providers specialize in drone and aviation coverage:

Provider	Notes	Website
BWI Aviation Insurance	45+ years experience; specializes in drone inspection operations; same-day COIs	bwifly.com
SkyWatch.AI	On-demand and annual coverage; easy pilot onboarding; fleet options; mobile app	skywatch.ai
Verify	On-demand hourly/daily coverage; good for occasional pilots	verify.com
USAIG / Global Aerospace	Comprehensive annual policies; established aviation carrier	usaig.com

ADDITIONAL REQUIREMENTS

FAA Certification

Part 107 Certificate	Current FAA Remote Pilot Certificate with small UAS rating. Must be verified via FAA Airmen Inquiry.
Recurrent Training	Must be current (completed within past 24 months). Provide completion certificate.
No Enforcement Actions	No FAA enforcement actions or certificate suspensions within the past 5 years.

Personal Protective Equipment (PPE)

Required for all construction site inspections:

PPE Item	Standard	Requirement
Hard Hat	ANSI Z89.1 Type I	REQUIRED on all active sites
Safety Vest	ANSI Class 2 or higher	REQUIRED on all active sites
Safety Glasses	ANSI Z87.1	REQUIRED during active work

PPE Item	Standard	Requirement
Steel-Toe Boots	ASTM F2413	REQUIRED on all construction sites
Hearing Protection	NRR 25 or higher	Required in high-noise areas

IMPORTANT: Pilots who arrive at a construction site without proper PPE will not conduct the inspection. The mission must be rescheduled. This is a non-negotiable safety requirement.

QUESTIONS?

If you have questions about equipment or insurance requirements, contact the AeroSure Pilot Support team:

Email: pilots@aerosure.io

Phone: (804) 250-1243

--- End of Requirements Guide ---