

XAG P150 Max Agricultural Drone

Smart, Efficient, Always Reliable

A high-performance agricultural drone built for superior efficiency, delivering autonomous spraying, spreading, field mapping, and material transport with advanced intelligence and proven reliability.



80 kg

Payload Capacity

Swap task systems to suit every mission



20 m/s

Max. Flight Speed ¹

Terrain following for uninterrupted operation



80 L

Smart Liquid Tank

Up to 46 L/min flow rate with four-nozzle upgrade kit



115 L

Granule Container

Up to 300 kg/min spread rate



Obstacle Avoidance

4D imaging radar & wide-angle FPV camera



Smooth Connectivity

Stable performance across different signal conditions



Precision Spraying (with XAG RevoSpray 5)

Maximize coverage in both large crop fields and high-volume orchard spraying.

32 L/min

Max. flow rate
(standard)

80 L

Max. tank
capacity

5-10 m

Effective
spray width

60-500 μm

Atomized
droplet size



Uniform Spreading (with XAG RevoCast 5)

Capable of fertilizer spreading, direct seeding, aquaculture feeding, and powder scattering.

300 kg/min

Max. spread
rate

115 L

Granule
container

9 m

Effective spread
width

3 Sizes

Screw feeders



Field Mapping (with onboard XAG RealTerra)

Capture high-definition images
with no extra modules needed.

Up to 20 hectares
covered per flight



Field Logistics (with XAG RevoSling)

Transport farm inputs and
produce over challenging terrain.

A/B Route
for easy round trip



Built-in Safety

XAG SuperX 5 Ultra Intelligent Control System enables safe avoidance of power poles and central pivots, while supporting map-free 3D flight on slopes.



Intelligent Control

XAG SRC 5 Smart Remote Controller features wide-angle FPV view and XLink connectivity, delivering video feed up to 2 km in open, unobstructed conditions.



Stable Connection

Achieve centimeter-level positioning without internet access, either with the XAG XRTK 7 Mobile Station or via the satellite-based PPP-AR mode with quick, hassle-free setup.



Rapid Charging

Two battery sets ensure continuous operation, with a single battery charged in just 7 minutes using the parallel charging kit and mist-cooling tower.

Specifications

› Aerial Platform

Basic Parameters

Aircraft Weight

56 kg (with XAG P150 Max RevoSpray 5 and batteries)

60 kg (with XAG P150 Max RevoCast 5 and batteries; spray rods excluded)

Rated Takeoff Weight

125 kg (rated takeoff weight for spraying)

128 kg (rated takeoff weight for spreading; spray rods excluded)

Protection Rating

IPX6K

› Flight Parameters

Hovering Precision (Good GNSS Signal)

RTK Enabled: ± 10 cm (Horizontal), ± 10 cm (Vertical)

RTK Disabled: ± 0.6 m (Horizontal), ± 0.3 m (Vertical)

Maximum Flight Speed

20 m/s²

Recommended Operating Temperature

0 ~ 40 °C

Maximum Flight Height

30 m

› Propulsion System

Motor

**Maximum Tension
(Single Motor)**

56 kg

**Rated Power
(Single Motor)**

4850 W

Foldable Propeller

Diameter x Pitch

1600 mm (≈ 63 in)

› Sensing & Avoidance System

4D Imaging Radar

Sensing Range

1.5 ~ 100 m

Sensing Mode

Beamforming, 4D imaging

Relative Height of Obstacle

Avoidance
≥ 1.5 m

Field of View (FOV)

Horizontal: ±40°
Vertical: ±115°

Distance of Obstacle

Avoidance
2.5 m (distance between
propeller tip and obstacle
after the drone brakes and
hovers stably)

Relative Speed of Obstacle

Avoidance
≤ 13.8 m/s³

1.2.3. Obstacle detection range and avoidance performance may be affected by environmental factors such as lighting, weather conditions (e.g., rain or fog), as well as the material, shape, and position of objects. Product performance may be influenced by the working environment, temperature, and human operation. Also, different operating conditions require different parameters, which would significantly affect the product's efficiency. Due to the continuous update, each batch of products may have slight differences compared with this leaflet. The contents displayed in this material are for reference only, please contact our regional distributors for sales inquiry.