

# **XAG** V40 Agricultural UAV

*AgriFuture, Here and Now*



# **XAG** V40 Agricultural UAV

## Tilting, Twin-rotor Structure

Pro capacity, super-portable + low op. costs

## Multi-directional Radars

Precision terrain and obstacle awareness

## SuperX4 Intelligent Flight Control

New-gen super smart control system

## RTK Centimeter-level Positioning

Survey-grade precision, fully autonomous missions

## One Drone, Three Uses

Spraying, Broadcast Seeding & Mapping

## Precision Downdraft

Superior Penetration & Coverage

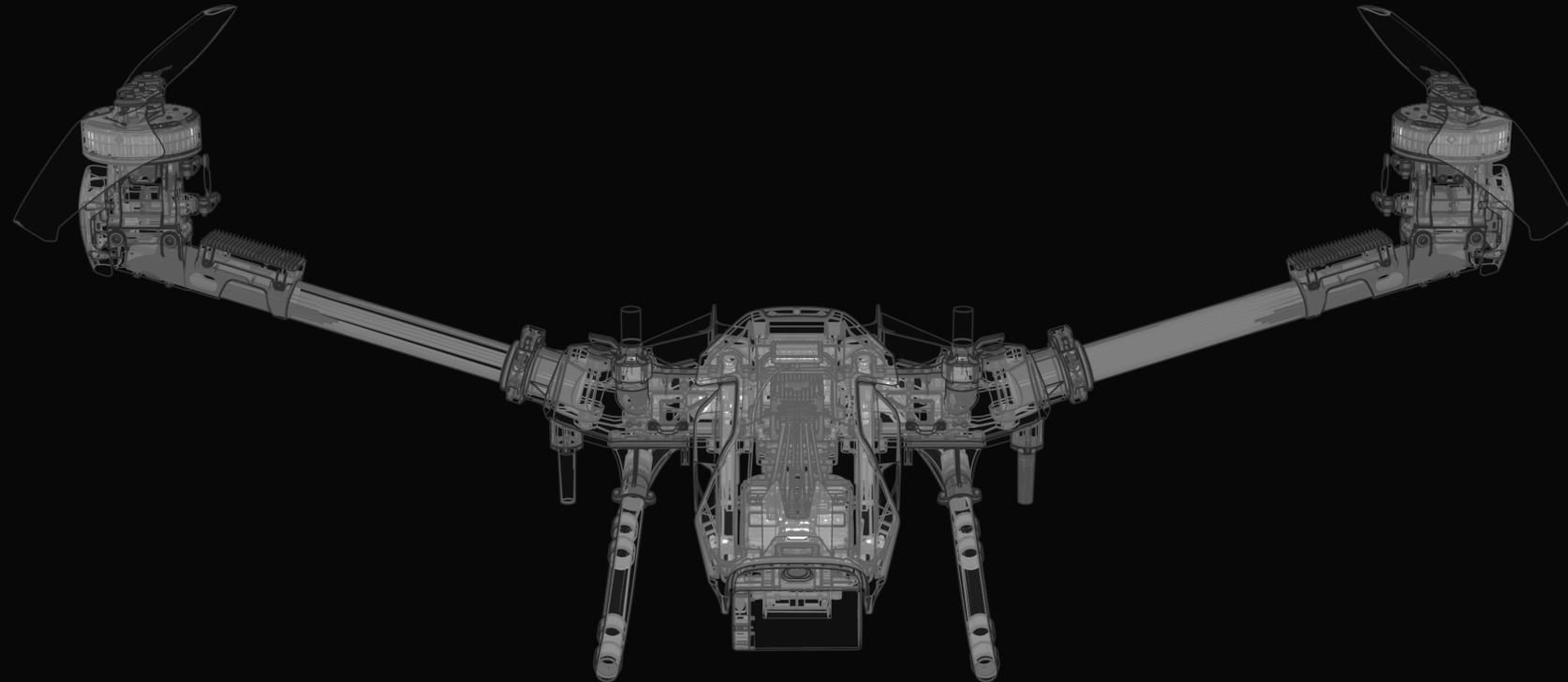
# Revolutionary Tilting Twin-rotor Structure

Engineered intentional downdraft

Increased efficiency + portability

Fewer parts + lower costs

Improved handling and control



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## V40: BIG Capacity

1/3 The Size

Arms & propellers fold to save space; easy enough for one person to carry



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110.03" (2795mm)



Unfolded Size

28.77"  
(731mm)

28.74"  
(730mm)



Folded Size

24.6"  
(625mm)

# XAG RevoSpray™

Super Precise Centrifugal Atomisation Spraying



**37 Acres per Hour\***  
(15ha/hr\*) Productivity Master

**19.6 – 32.8 ft**  
(6-10 m)  
effective spray swath

**60 - 400µm**  
adjustable droplet size

**2.64 GPM**  
(10L/min)

max-flow peristaltic pumps

**Focused Downdraft**  
thorough & even spray coverage

\*The spraying efficiency is calculated based on 8m/s flight speed and 19ft (6m) spray swath under standard laboratory conditions. The specific performance will vary depending on the working environment, flight conditions, etc. Always follow chemical labels & operating guidelines.

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# Rotary Atomization Spraying Technology

Adjustable droplet size to meet label requirements & demands.

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# Droplet Size Matters

Ideal Coverage + Drift Mitigation



## ASABE S572.1 Droplet Size Classification

Number of droplets and their diameters of equal liquid volume



## Typical Applications

**Weeds**  
 Coarse sprays are used with systemic, residual and soil-applied herbicides. Better protection against drift.

**Fungi, Pests & Weeds**  
 Medium sprays are the most widely used. Systemic-acting fungicides, insecticides & herbicides

**Fungi, Pests & Weeds**  
 Fine sprays provide enhanced retention for directed spraying on the target incl. foliar-acting weed control, contact-acting fungicides & insecticides

**As Required**  
 Generally used as an exception due to high likelihood of drift\*

Research shows that drift can be effectively mitigated by choosing the right nozzle for the job. Always read the pesticide label to determine which spray quality is required. See ASABE S572.1 to learn more.

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# XAG RevoCast™

Intelligent Centrifugal Broadcast Spreading System

88 lbs/min

(40 kg/min)

Productivity maximizer

32.8 ft (10m) Maximum

Swath

Intense dual-rotor downdraft



Dual Spreading Plates

Precise & even distribution

Variable Feeder

Accurate adjustable spreading + reduce seed damage

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# XAG RealTerra™

## Mapping with Ease

Quick start & simple-to-use

## Accurate Perception

Quickly models terrain, field boundaries & crop growth

## High-resolution Optical Image

12 million pixels reveal the smallest details

## Rapid Mapping

**16.48 acres in just 10 mins\***  
(6.67 ha/10min)

## Highly Adaptable

Rapid swap for seamless operations

## Farm-Tough

Weather & dust resistant for years of use

\*Product specifications calculated under standard laboratory conditions. The specific performance may vary based on working environment, flight conditions, etc. Please use in accordance with official product guidelines.

## 80x Faster than manual methods

For the first time, RealTerra™ enables growers to have rapid mapping capabilities in a fast, simple-to-use, multi-purpose drone. It photographs, maps, and analyzes farmland images autonomously. The result? High-definition field maps +AI prescription maps. Field boundaries and crop growth status are accurately identified.

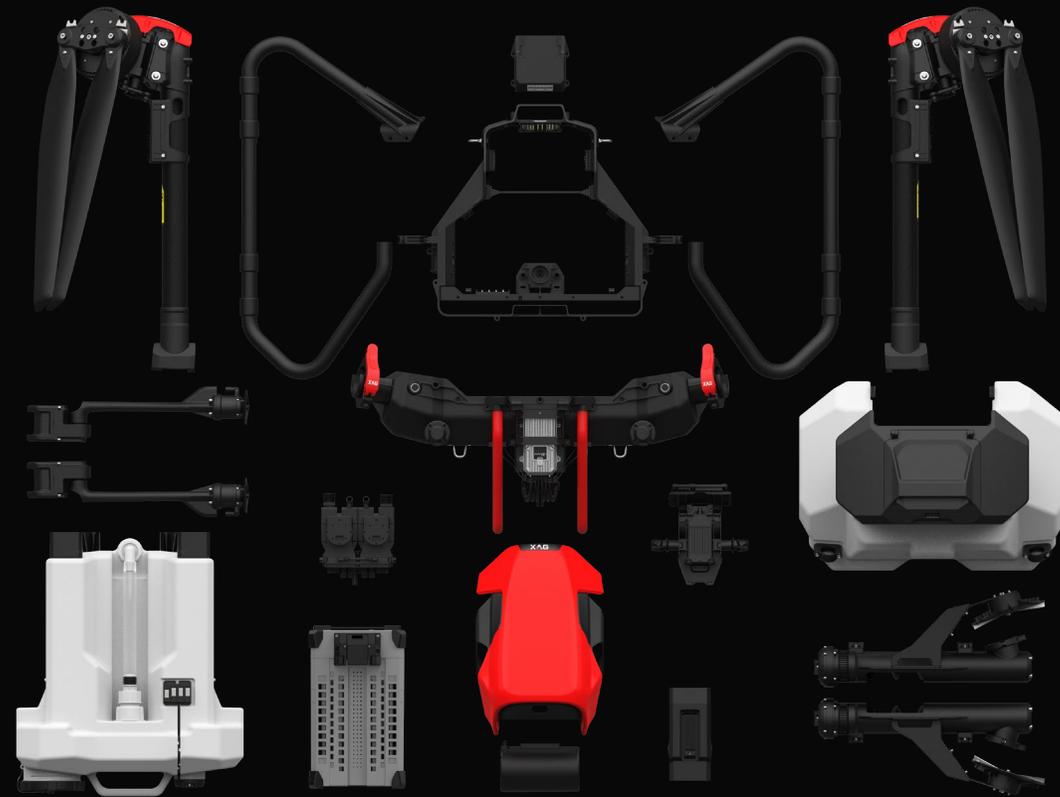


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# Designed with you in mind

Field-serviceable + quick switching  
between spraying, seeding or  
mapping jobs



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## Autonomy with Ease: Three Operation Modes



Standard



Customized



Remote



## **IP67 Rating Protection**

**Field tough, ready for anything**

**Easy rinsing & maintenance**

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# SuperX4 Intelligent Control System

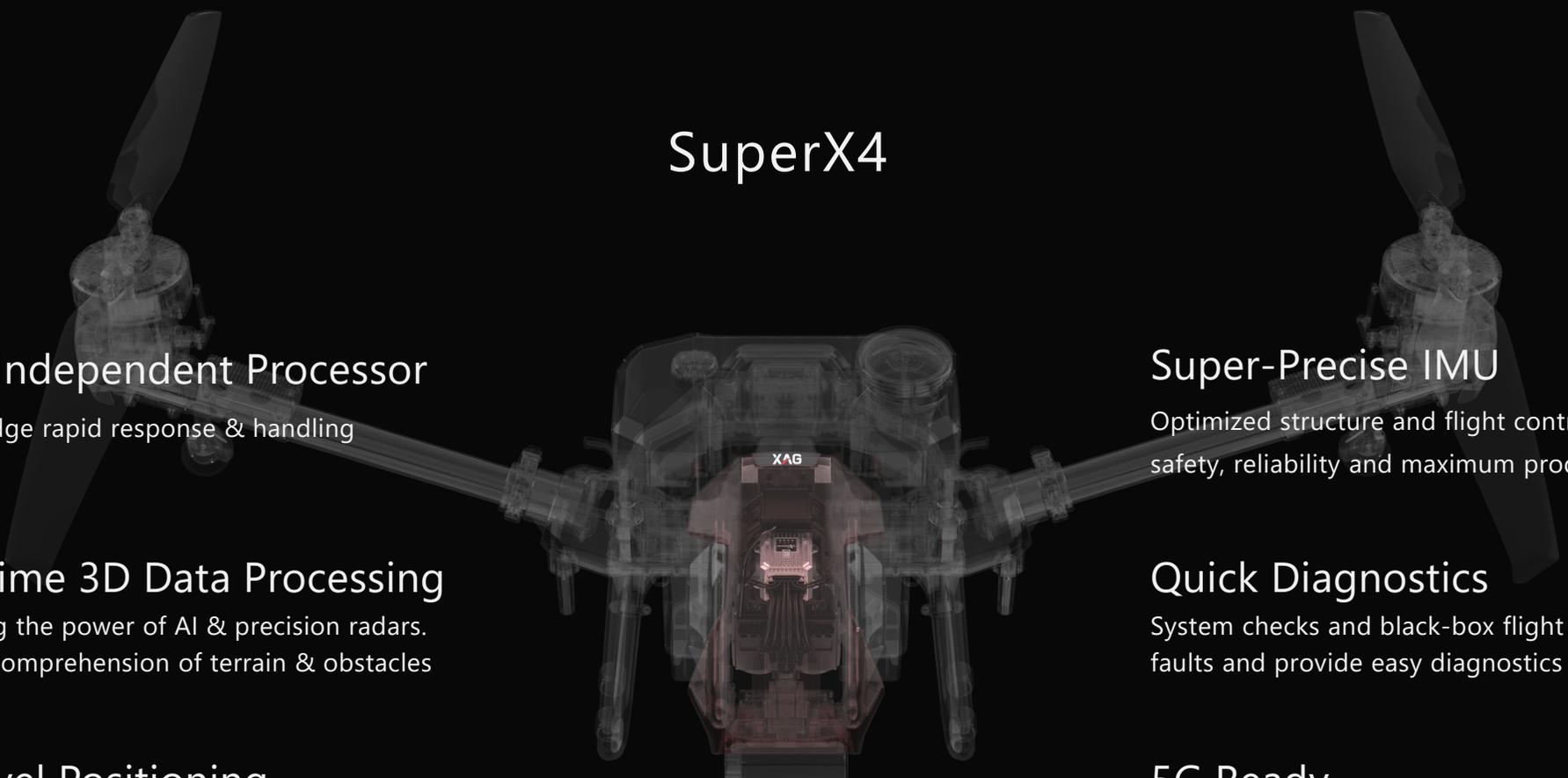
Smart Core Powered by AI

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# SuperX4



## 1GHz Independent Processor

Cutting-edge rapid response & handling

## Real-Time 3D Data Processing

Harnessing the power of AI & precision radars.  
Accurate comprehension of terrain & obstacles

## CM-level Positioning

Dual-Antenna RTK + cloud base stations

## Super-Precise IMU

Optimized structure and flight controllers provide safety, reliability and maximum productivity

## Quick Diagnostics

System checks and black-box flight recording interpret faults and provide easy diagnostics for service

## 5G Ready

Allowing for insanely fast data-transfer & cloud connectivity

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**Front Dynamic Radar:** revolutionary MIMO 4D Imaging Radar accurately detects hazards as far as 130 ft (40 m) away.



## Multi-Directional Radar Matrix AI Automatic Obstacle Detection

Premium sensor arrays for leading safety & autonomy

**Terrain Awareness Module:** bolsters precision applications by precisely following the below terrain. Plus, you can now reach the previously unreachable.

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# Multi-Directional Radar Matrix

## AI Automatic Obstacle Detection

Looking out for you

Module	Field of View (FOV)	Range of Measurement
<b>Front Dynamic Radar</b>	Horizontal $\pm 40^\circ$ Vertical $\pm 45^\circ$	4.9 – 130 ft (1.5 - 40 m)
<b>Terrain Radar</b>	$\pm 25^\circ$	1.6 – 328 ft (0.5-100 m)

# Beyond Powerful B13960S Smart Battery

960 Wh capacity

12% larger than its predecessor

Charge in 11 minutes\*

Fully charged with hydro-cooled charging tank (at a 5C rate)



200A Capable

New patented quick-connect design

Safer & Smarter

Smart Management System & Temp sensors

\*Laboratory research shows that under normal operating conditions, the GC4000+ Auto SuperCharge Station can fully charge a B13960S Battery in 11 minutes from 30% to 95%. The specific performance may vary depending on the environment conditions, user habits, etc. Please use according to the official product guidelines.

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# All-in-One Generator & Charger

## GC4000+ Auto SuperCharge Station

Charge 25 batteries\*

with 4 gal (15 L) of fuel

Keeps on Running

1,000 Hour service life



0.15 Gal/KWh

(0.6L/KWh)

Smart-Rev generator sips fuel at ultra-low consumption

LCD monitor

Quick access to operating status and maintenance reminders

\*Laboratory research shows that under normal operating conditions, the GC4000+ Auto SuperCharge Station can fully charge a B13960S Battery in 11 minutes from 30% to 95%. The specific performance may vary depending on the environment conditions, user habits, etc. Please use according to the official product guidelines.

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