

**TZX** INNOVATION AGRICULTURE

TZX PLANT PROTECTION DRONES

**SPECIFICATION**





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Professional Agricultural Drones Manufacturer

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## NV Series Drones

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## HV Series Drones

Heavy Load Plant Protection Drone

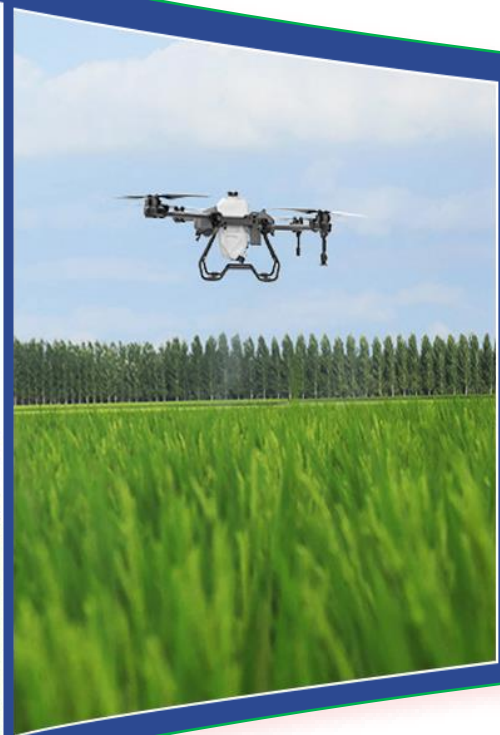
# Contents

# Application of Agricultural Drones



## Agricultural UAV & Drones Revolutionize Modern New Farming

Precision Planting, Efficient Plant Protection, Ultra-long Endurance, Agricultural UAV & Drones For Cost Reduction & Efficiency Enhancement.



**TZX Innovation Agriculture**

## EV Series-4 Axis

- Professional Plant Protection Drones

Entry-Level Model: EV 410 / EV 416 / EV 422

EV series four-axis agricultural UAV system solutions have 10kg, 16kg, 22kg load models, new intelligent control system upgrade, 4-axis arm protection safe flight, classic design, equipped with pressure spraying.



Three Colors Available

# EV Series-4-Axis



EV-410-Ag-UAV

Model	EV 410
Payload	10 Kg
Battery Capacity	16000 Mah
Work Efficiency	20000 m <sup>2</sup> /h



EV-416-Ag-UAV

Model	EV 416
Payload	16 Kg
Battery Capacity	22000 Mah
Work Efficiency	27000 m <sup>2</sup> /h



EV-422-Ag-UAV

Model	EV 422
Payload	22 Kg
Battery Capacity	22000 Mah
Work Efficiency	34000 m <sup>2</sup> /h



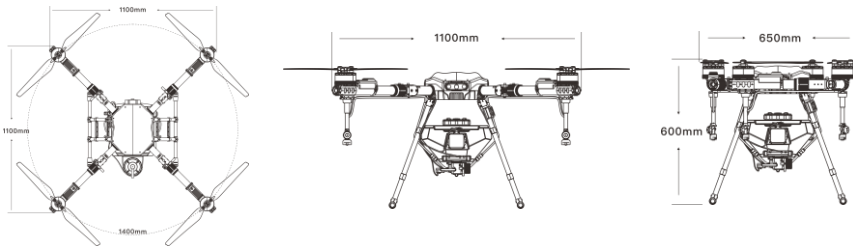
## CONFIGURATION & SPECIFICATION

### Features & Functions



1. GPS Positioning
2. Lateral Fold
3. IP65
4. Obstacle Avoidance Radar
5. Ground Station Remote Control
6. Spraying

### Outside Measurement Size



### Technical Parameters

UAV Model	EV 410 Series	EV 416 Series	EV 422 Series
UAV Wheelbase	1400mm	1400mm	1400mm
Expanded Size	1100*1100*600mm	1100*1100*600mm	1100*1100*600mm
Folded Size	650*650*600mm	650*650*600mm	650*650*600mm
Medicine Box Load	10L	16L	22L
Machine Weight	12.5kg	13.5kg	14.5kg
Maximum Weight	28kg	36kg	43kg
Spraying Flow	3L/min	5L/min	5L/min
Effective Spray Width	5m	5m	5m
Flight Speed	6m/s	6m/s	6m/s
Empty Flight	20min	20min	20min
Fully Loaded Flight	10min	10min	10min
Operating Voltage	44.4v	44.4v	51.8v
Battery Capacity	16000mah	22000mah	22000mah
Working Efficiency	20000m <sup>2</sup> /h	27000m <sup>2</sup> /h	34000m <sup>2</sup> /h

# EV Series-4-Axis



## CONFIGURATION & SPECIFICATION

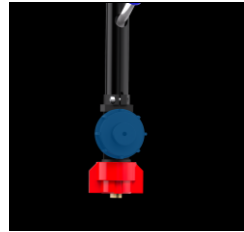
### Spraying System



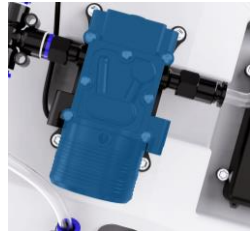
With 4 Pressure Nozzles , Enabling Flexible Adjustment Of Flow Rates and Atomization Effects, Standard Fan-Shaped Nozzles Are Precision Made and Wear Resistant.



Fan Nozzle Design



Adjust Nozzle Size



Large Flow Pump

### UAV Details Show



FPV Camera &LED Lighting



High Performance Motor



Flight Control System



IP65 Waterproof

### Intelligent Remote Controller



APP System, Easy To Operate



H12+RTK Versions



Powerful Link Transmission

# EV Series-4-Axis

## CONFIGURATION & SPECIFICATION



### Multi-Angle Show

#### Expansion Show



#### Fold Show



### Primary Application



Orchard Operation



Field Operation



Farm Operation



Flowerbed Operation



## EV Series-6 Axis

### • Professional Plant Protection Drones

Entry-Level Model: EV 610 / EV 616 / EV 622

EV series six-axis agricultural UAV system solutions have 10kg, 16kg, 22kg load models, new intelligent control system upgrade, 6-axis arm protection safe flight, classic design, equipped with pressure spraying.



Three Colors Available

## EV Series-6-Axis



EV-610-Ag-UAV

Model	EV 610
Payload	10 Kg
Battery Capacity	16000 Mah
Work Efficiency	20000 m <sup>2</sup> /h



EV-616-Ag-UAV

Model	EV 616
Payload	16 Kg
Battery Capacity	22000 Mah
Work Efficiency	27000 m <sup>2</sup> /h



EV-622-Ag-UAV

Model	EV 622
Payload	22 Kg
Battery Capacity	22000 Mah
Work Efficiency	34000 m <sup>2</sup> /h

## EV Series-6-Axis



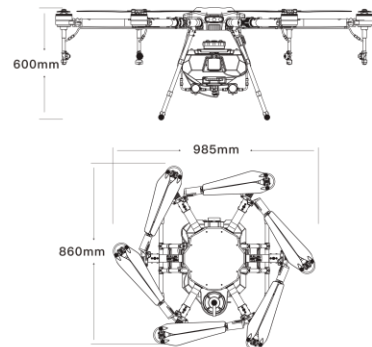
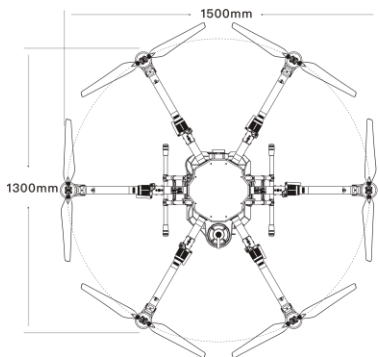
# CONFIGURATION & SPECIFICATION

### Features & Functions



1. GPS Positioning
2. Lateral Fold
3. IP65
4. Obstacle Avoidance Radar
5. Ground Station Remote Control
6. Spraying

### Outside Measurement Size



### Technical Parameters

UAV Model	EV 610 Series	EV 616 Series	EV 622 Series
UAV Wheelbase	1400mm	1600mm	1800mm
Expanded Size	1320*1500*600mm	1470*1700*600mm	1920*1080*600mm
Folded Size	860*985*600mm	980*1080*600mm	1160*1080*600mm
Medicine Box Load	10L	16L	22L
Machine Weight	13.5kg	15.5kg	17kg
Maximum Weight	28kg	38kg	46kg
Spraying Flow	3L/min	5L/min	5L/min
Effective Spray Width	5m	5m	5m
Flight Speed	6m/s	6m/s	6m/s
Empty Flight	20min	20min	20min
Fully Loaded Flight	10min	10min	10min
Operating Voltage	44.4v	58.8v	58.8v
Battery Capacity	16000mah	22000mah	22000mah
Working Efficiency	20000m <sup>2</sup> /h	27000m <sup>2</sup> /h	34000m <sup>2</sup> /h

# EV Series-6-Axis

## CONFIGURATION & SPECIFICATION



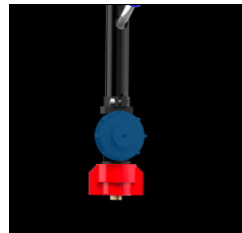
### Spraying System



With 4 Pressure Nozzles , Enabling Flexible Adjustment Of Flow Rates and Atomization Effects, Standard Fan-Shaped Nozzles Are Precision Made and Wear Resistant.



Fan Nozzle Design



Adjust Nozzle Size



Large Flow Pump

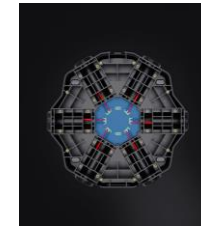
### UAV Details Show



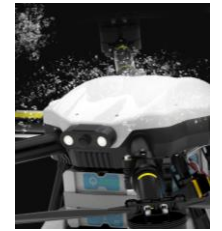
FPV Camera &LED Lighting



High Performance Motor



Flight Control System



IP65 Waterproof

### Intelligent Remote Controller



APP System, Easy To Operate



H12+RTK Versions



Powerful Link Transmission

# EV Series-6-Axis



## CONFIGURATION & SPECIFICATION

### Multi-Angle Show

#### Expansion Show



#### Fold Show



### Primary Application



Orchard Operation



Field Operation



Farm Operation



Flowerbed Operation

## NV Series-4 Axis

- **Professional Plant Protection Drones**

Entry-Level Model: NV 16 / NV 20

NV series four-axis agricultural UAV system solutions have 16kg, 20kg load models, new intelligent control system upgrade, 4-axis arm protection safe flight, classic design, equipped with pressure spraying.



Three Colors Available

# NV Series-4-Axis



NV-16-Ag-UAV

Model	NV 16
Payload	16 Kg
Battery Capacity	18000 Mah
Work Efficiency	27000 m <sup>2</sup> /h



NV-20-Ag-UAV

Model	NV 20
Payload	20 Kg
Battery Capacity	22000 Mah
Work Efficiency	34000 m <sup>2</sup> /h

## EV Series-6-Axis

# CONFIGURATION & SPECIFICATION

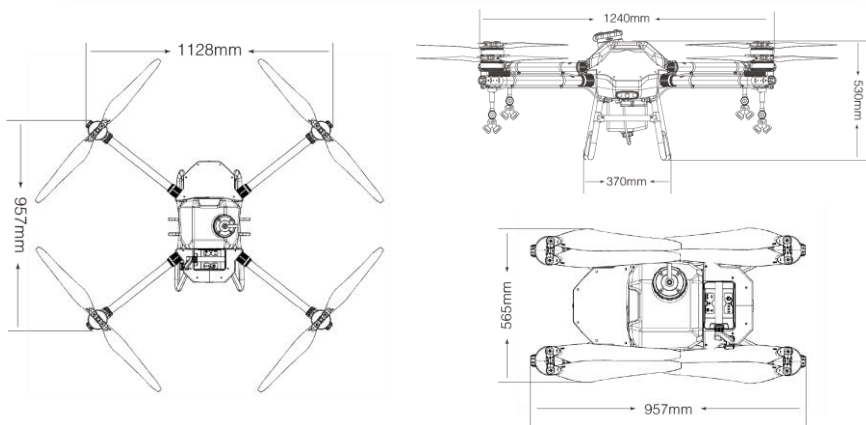


### Features & Functions



1. GPS Positioning
2. Change Medicine Cabinet
3. IP65
4. Obstacle Avoidance Radar
5. Ground Station Remote Control
6. Spraying

### Outside Measurement Size



### Technical Parameters

UAV Model	NV 16 Series	NV 20 Series
UAV Wheelbase	1400mm	1400mm
Expanded Size	980*1280*575mm	960*1280*575mm
Folded Size	960*565*575mm	960*565*600mm
Medicine Box Load	16L	20L
Machine Weight	16kg	18kg
Maximum Weight	38kg	40kg
Spraying Flow	8L/min	8L/min
Effective Spray Width	5m~8m	5m
Flight Speed	5~10m/s	6m/s
Empty Flight	20min	20min
Fully Loaded Flight	10min	10min
Operating Voltage	58.8v	58.8v
Battery Capacity	18000mah	22000mah
Working Efficiency	27000m <sup>2</sup> /h	34000m <sup>2</sup> /h





## CONFIGURATION & SPECIFICATION

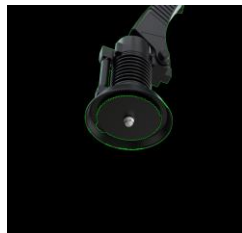
### Spraying System



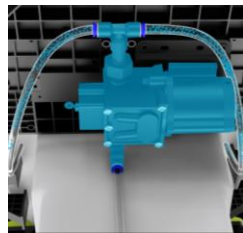
The New Double Centrifugal Nozzle Has High Flow Rate, Good Atomization And Strong Penetration. Strong Penetration of Plant Height. Fruit Trees With Thick Canopy. Leaf Surface And Leaf Back Can Be Uniformly Covered.



3 Speed Centrifugal Nozzle Adjustment

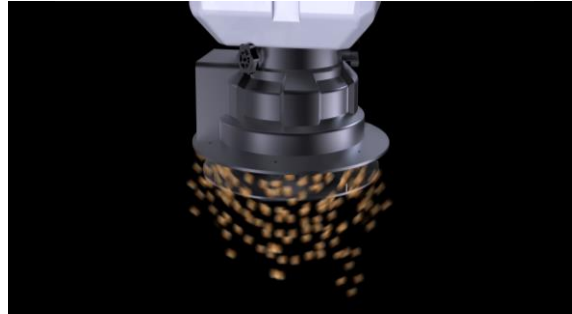


New Atomizing Nozzle Structure Design

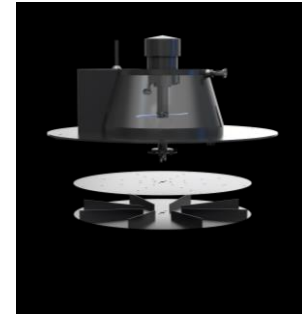


Large Flow Pump

### UAV Details Show



360° Large Flow Spread, Umbrella Metal Structure, Wide Force Area, Uniform No Gambling Material. The Bottom Disc is Embedded in The Metal Wheel, The Strength is Upgraded, The Pressure is Strong and Wear is More Ware.



New Upgraded Serrated Mixing Tray



33L Seed Spreader Bucket

### Intelligent Remote Controller



APP System, Easy To Operate



H12+RTK Versions



Powerful Link Transmission

## **HV Series-4 Axis**

- **Heavy Load Plant Protection Drones**

### **Entry-Level Model: HV 30 / HV 50**

HV series four-axis agricultural UAV system solutions have 30L, 50L load models, the new intelligent control system upgrade, so that the operation is smoother, more lightweight, large flow impeller pump and water-cooled centrifugal nozzle, spraying system and seeding system can be quickly replaced simple and convenient.



## NV Series-4-Axis



**HV-30-Ag-UAV**

Model	HV 30
Payload	30 Kg
Battery Capacity	30000 Mah
Work Efficiency	40000 m <sup>2</sup> /h



**HV-50-Ag-UAV**

Model	HV 50
Payload	50 Kg
Battery Capacity	30000 Mah
Work Efficiency	46700 m <sup>2</sup> /h

# HV Series-4-Axis



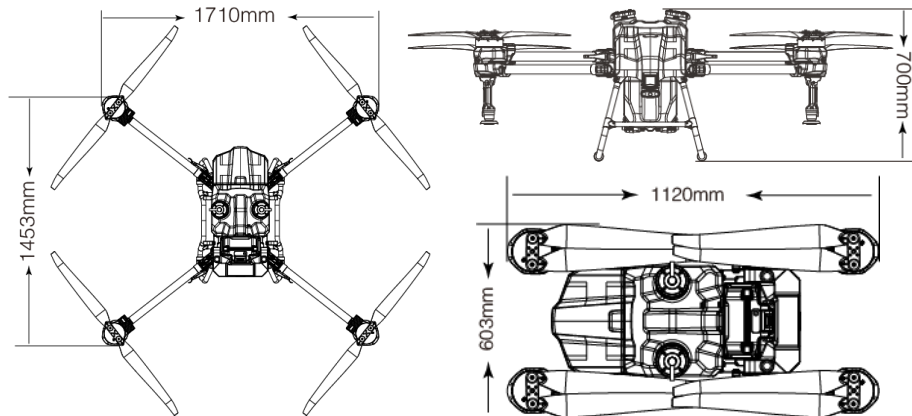
## CONFIGURATION & SPECIFICATION

### Features & Functions



1. GPS Positioning
2. Change Medicine Cabinet
3. IP65
4. Obstacle Avoidance Radar
5. Ground Station Remote Control
6. Spraying

### Outside Measurement Size



### Technical Parameters

UAV Model	HV 30 Series	HV 50 Series
UAV Wheelbase	2000mm	2300mm
Expanded Size	1710*1453*700mm	1905*1720*815mm
Folded Size	603*1120*700mm	635*1720*815mm
Medicine Box Load	30L	50L
Machine Weight	30kg	35kg
Maximum Weight	68kg	99kg
Spraying Flow	12L/min	12L/min
Effective Spray Width	6m~10m	6~10m
Flight Speed	3m/s	3m/s
Empty Flight	15min	18min
Fully Loaded Flight	8min	7min
Operating Voltage	58.8v ( 1 4s)	58.8v ( 1 8s)
Battery Capacity	30000mah	30000mah
Working Efficiency	40000m <sup>2</sup> /h	46700m <sup>2</sup> /h

# EV Series-6-Axis



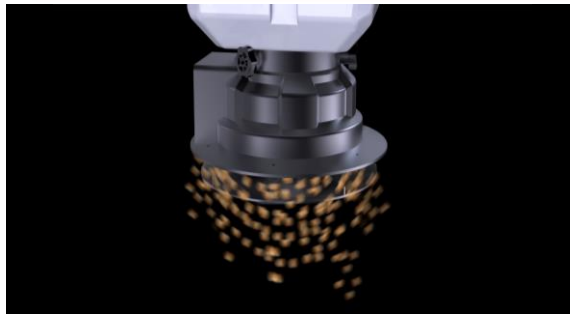
## CONFIGURATION & SPECIFICATION

### Spraying System

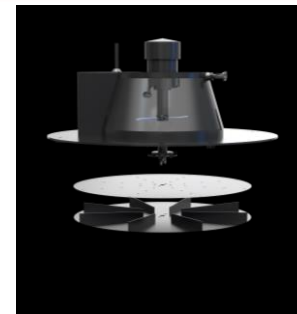


The New Double Centrifugal Nozzle Has High Flow Rate , Good Atomization And Strong Penetration . Strong Penetration of Plant Height. Fruit Trees With Thick Canopy. Leaf Surface And Leaf Back Can Be Uniformly Covered .

### UAV Details Show



360° Large Flow Spread , Umbrella Metal Structure , Wide Force Area , Uniform No Gambling Material . The Bottom Disc is Embedded in The Metal Wheel , The Strength is Upgraded , The Pressure is Strong and Wear is More Ware.

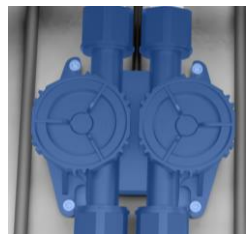


New Upgraded Serrated Mixing Tray

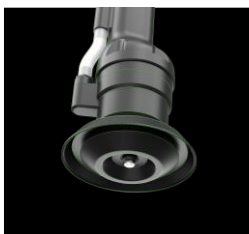


33L Seed Spreader Bucket

### Intelligent Remote Controller



Weight Sensor



New Atomizing Nozzle Structure Design



Large Flow Pump



APP System, Easy To Operate



H12+RTK Versions



Powerful Link Transmission

**The End is The Beginning!**

**Thank You For Watching**

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**TZX INNOVATION AGRICULTURE**

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