

# Heavy Agriculture Drone

# DATASHEET ver.1.0

**Pesticides Spraying (30L) / Fertilizers Spreading (40L) dual use**

| Feature                                                                                                                                                                 | Application                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• 25 min. flight time with empty payload</li> <li>• High speed spray head</li> <li>• Designed and assembled in Taiwan</li> </ul> | <ul style="list-style-type: none"> <li>• Agriculture drone</li> <li>• Fishery drone</li> <li>• Heavy payload drone</li> </ul> |



## Technical Specifications

|                    |                                                                                          |
|--------------------|------------------------------------------------------------------------------------------|
| Hexa-copter        | An unmanned multicopter with 6 rotors.                                                   |
| Floded Size        | 1192mm x 623mm x 885mm.                                                                  |
| Unfolded size      | 2692mm x 2619mm x 885mm.                                                                 |
| Smart Battery      | 28 Ah (LiPo).                                                                            |
| Barrel capacity    | Pesticide barrel: 30 liters for spraying.<br>Fertilizer barrel: 40 liters for spreading. |
| Camera module      | Resolution: 1280 x 720 pixels<br>FOV: 120°                                               |
| 24GHz mmWave radar | Front x1, ground x1 for obstacle avoidance.                                              |

## Performance

|                           |                                   |
|---------------------------|-----------------------------------|
| <b>Spraying speed:</b>    | 4 liters / minute (Max.)          |
| <b>Spreading speed:</b>   | 40 liters / minute (Max.)         |
| <b>Flight time</b>        | 25 minutes with an empty payload. |
| <b>Working efficiency</b> | 1~10 hectare / hour.              |
| <b>Maximum payload</b>    | 30 kg                             |

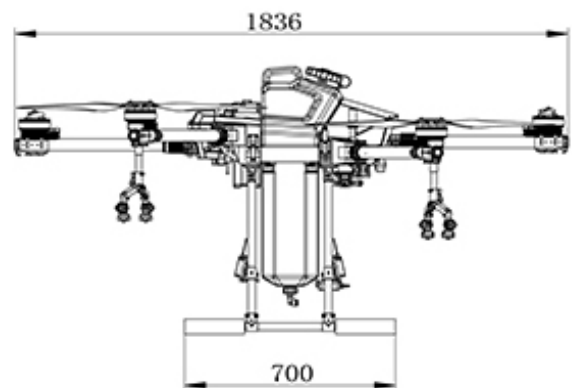
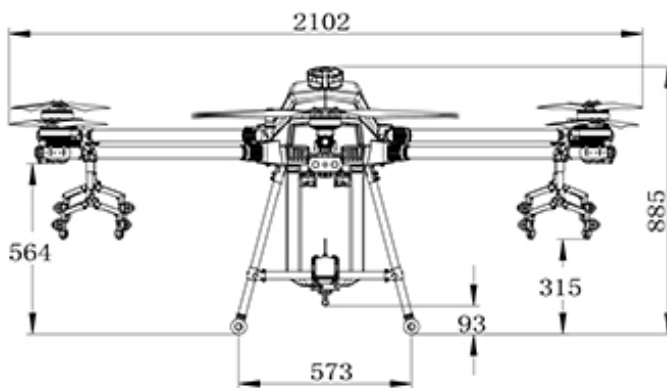
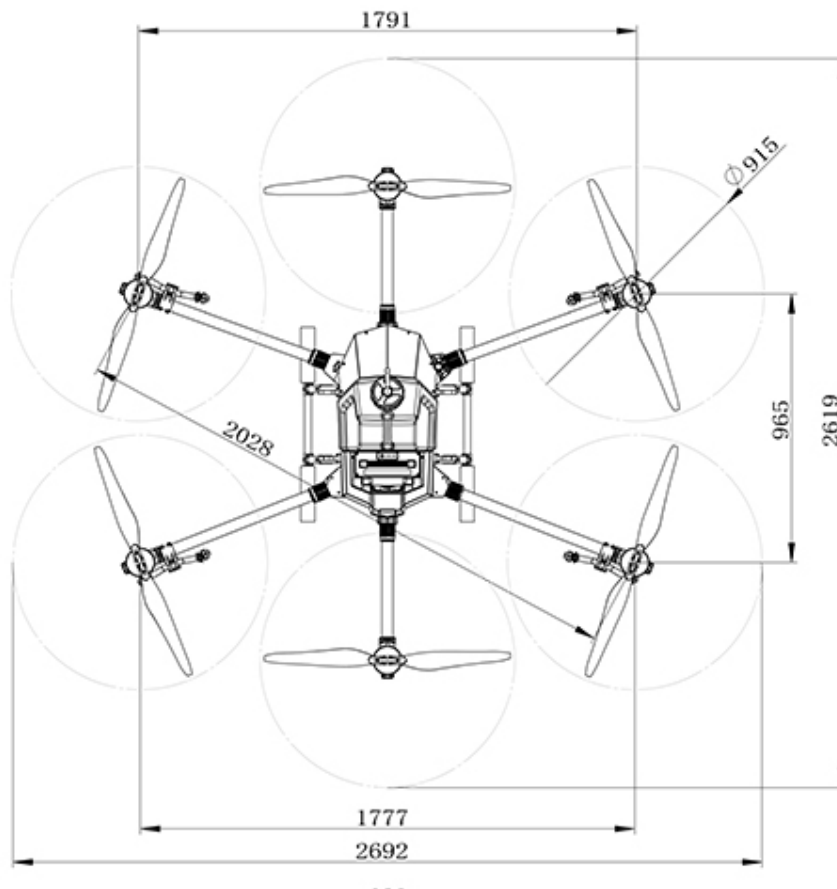
## Remote & Navigator

|                          |                                 |
|--------------------------|---------------------------------|
| <b>Frequency band</b>    | 2.4GHz                          |
| <b>Navigation system</b> | Standard: GNSS<br>Optional: RTK |
| <b>Operation mode</b>    | Attitude Mode, Navigation Mode  |

## Package items

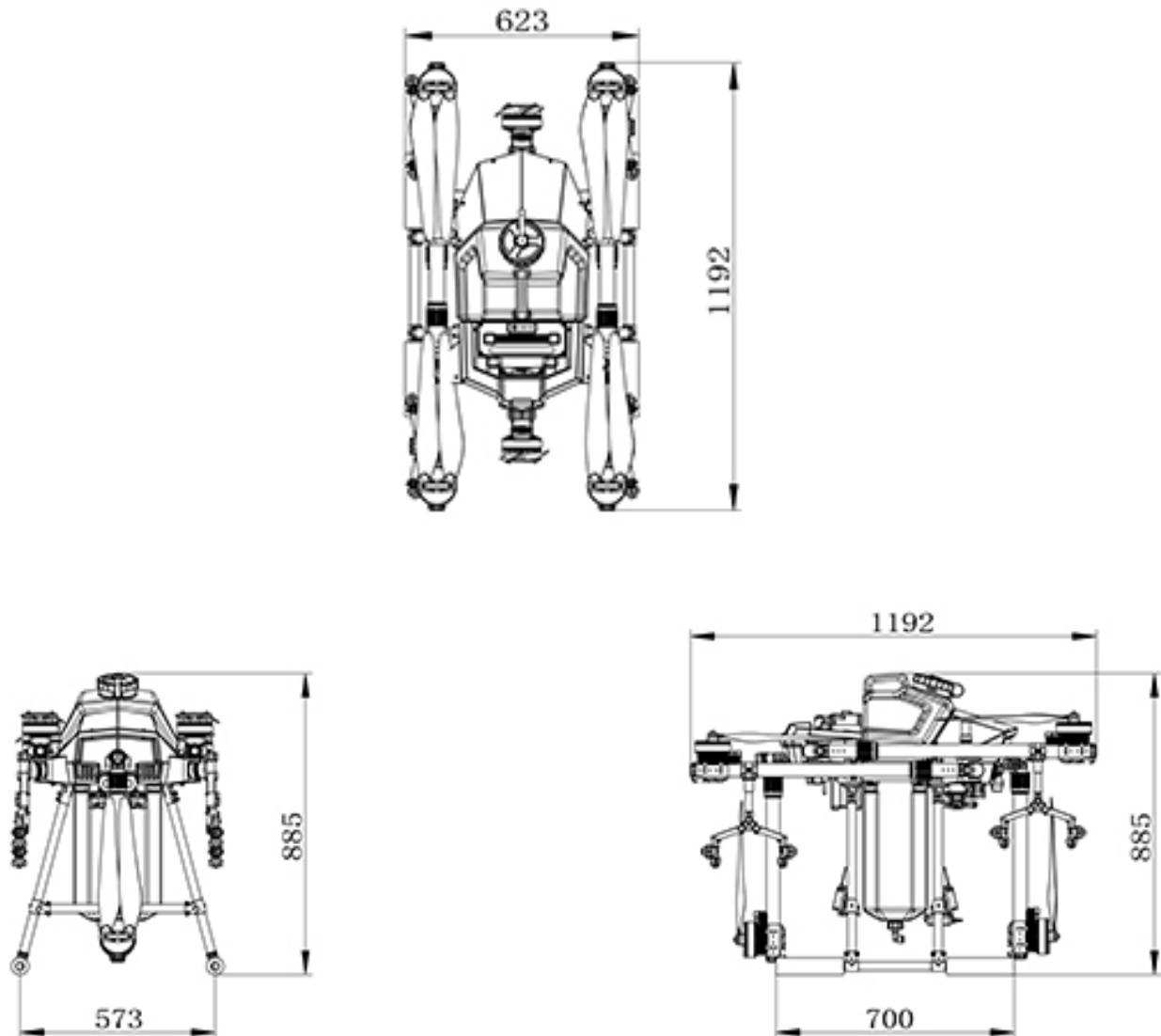
|    |                                               |       |
|----|-----------------------------------------------|-------|
| 1. | <b>Heavy Agriculture Drone.</b>               | x1 pc |
| 2. | <b>30 liter pesticide barrel.</b>             | x1 pc |
| 3. | <b>40 liter Fertilizer barrel.</b>            | x1 pc |
| 4. | <b>Remote</b>                                 | x1 pc |
| 5. | <b>Smart Battery (14S28000mAh, QS9L plug)</b> | x2 pc |
| 6. | <b>Charger (55A, 2400 watt)</b>               | x1 pc |

## Mechanical dimensions



Unfolded view

## Mechanical dimensions



Folded view