



## AERONEF REMOTELY PILOTED

### TECHNICAL FILE REF. Servidrone900C5-VA2-C

*This outline applies only to remotely piloted aircraft with a maximum weight < 25 kg*

#### Applicant

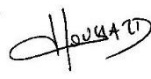
| Legal person (company, association): |                   |           |          | Natural person:<br><small>Not to be completed in the case of a legal entity</small> |        |
|--------------------------------------|-------------------|-----------|----------|-------------------------------------------------------------------------------------|--------|
| Company name:                        | HOUSSARD François |           |          | Name:                                                                               |        |
| Name of a representative:            | Houssard          | Forename: | Francois | Forename:                                                                           |        |
| Address:                             | 27 Bd des Vignes  |           |          |                                                                                     |        |
| Zip code:                            | 31370             | Town:     | Rieumes  | Country:                                                                            | France |
| Telephone:                           | 0624792347        |           | Email:   | F.Houssard@Orange.Fr                                                                |        |

#### Scope of the request

|                             |                                                                                                                                                                                           |  |                                             |                 |  |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|-----------------|--|
| Class:                      | <input checked="" type="checkbox"/> Multicopters <input type="checkbox"/> Helicopter <input type="checkbox"/> Airplane <input type="checkbox"/> Dirigible <input type="checkbox"/> Other: |  |                                             |                 |  |
| Constructor:                | Francois HOUSSARD                                                                                                                                                                         |  | Model (Type):                               | Servidrone900C5 |  |
| This case concerns:         | <input checked="" type="checkbox"/> A type design certificate (valid for all aircraft of the same model/type)                                                                             |  |                                             |                 |  |
|                             | <input type="checkbox"/> A special authorisation, valid only for the aircraft with serial number (*):                                                                                     |  |                                             |                 |  |
| Class                       | C5                                                                                                                                                                                        |  |                                             |                 |  |
|                             | Maximum weight: 8.2 kg                                                                                                                                                                    |  | <input checked="" type="checkbox"/> Captive |                 |  |
| User Manual:                | Ref. Servidrone900C5 Rev. 1.0                                                                                                                                                             |  |                                             |                 |  |
| Maintenance manual:         | Ref. Servidrone900C5-MM Rev. 1.0                                                                                                                                                          |  |                                             |                 |  |
| Serial number ANSI/CTA-2063 | UAS-FR-SER900-0001 (the last number will change for each drone)                                                                                                                           |  |                                             |                 |  |

#### Declaration

I declare that the information contained in this file is accurate and that the remotely piloted aircraft complies with the requirements of 2019/945 of 12 march 2019 relating to "unmanned aircraft systems and on third-country operators of unmanned aircraft systems."

|       |            |                                                                                                           |                                                                                                              |
|-------|------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Date: | 06/05/2025 | Surname, first name, signature<br><small>(for legal persons: capacity of the signatory and stamp)</small> | HOUSSARD, FRANÇOIS,<br> |
|-------|------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|

| Update No. | Date       | Description of the changes |
|------------|------------|----------------------------|
| Rev 1.0    | 05/05/2025 | Creation                   |
|            |            |                            |
|            |            |                            |

## I. DESCRIPTIVE

### I.1 Overview

#### Aircraft (air vector):

Appendix 1 : plan and photos of the captive aircraft, of the restraint system.

#### Ground station / remote control / transponder Id :

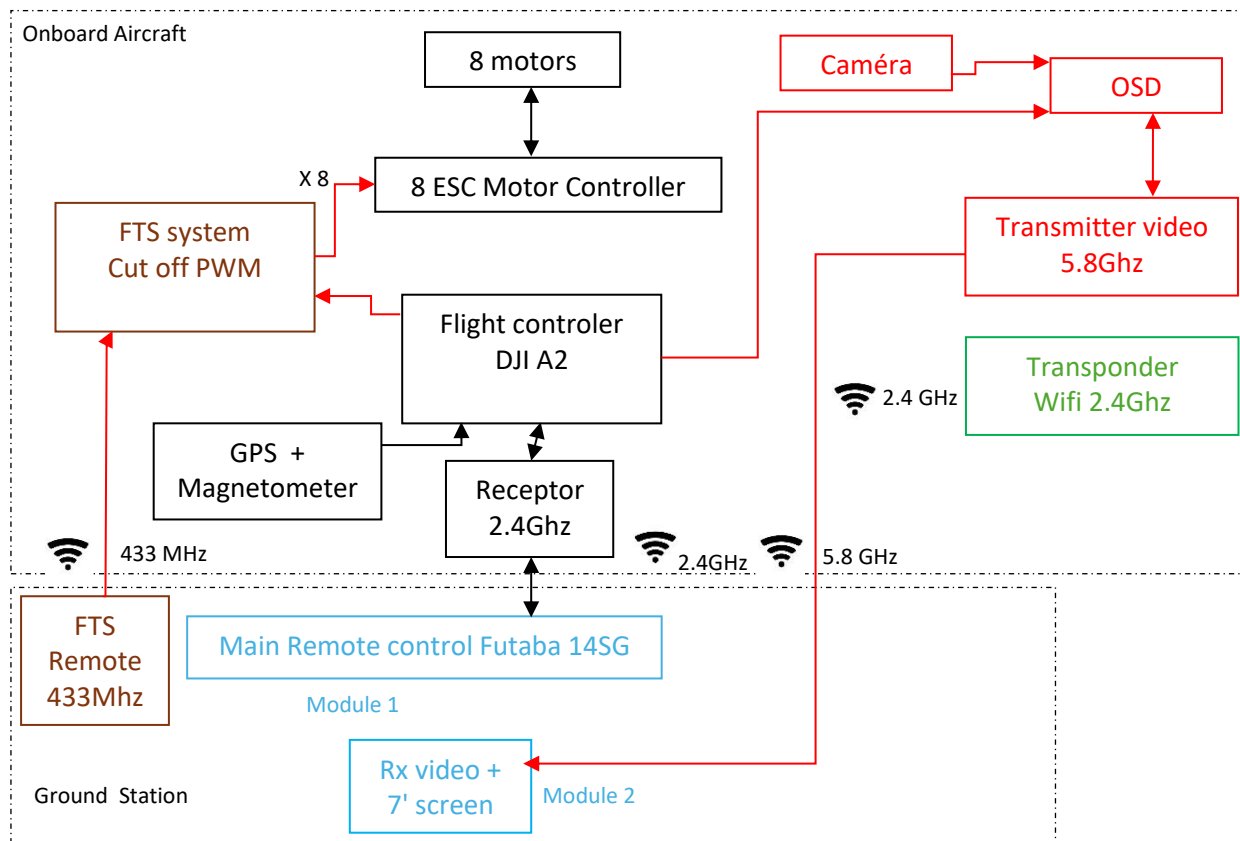
| Designation of the different modules constituting the ground station |                             |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Module No.                                                           | Required for class          | Description (function, model, etc.)                                                                                                                                                                                                                                                                                                                                                                                          |
| 1                                                                    | <input type="checkbox"/> C5 | Futaba 14sg remote control                                                                                                                                                                                                                                                                                                                                                                                                   |
| 2                                                                    | <input type="checkbox"/> C5 | Video monitor with built-in receiver 5.8Ghz                                                                                                                                                                                                                                                                                                                                                                                  |
| 3                                                                    | <input type="checkbox"/> C5 | Transmission protocol used for the direct remote identification emission : drone operator's registration number (SER for servidrone31) + serial number of the identification system (compliant with the ANS/CTA-2063 standard and cannot be modified) + drone's position relative to its takeoff point + pilot's position or takeoff point (in WGS84) + The heading and speed in m/s ; powered by special battery 2s 1000mAh |
| 4                                                                    | <input type="checkbox"/> C5 | FTS system with independent remote control, cut off motor circuit                                                                                                                                                                                                                                                                                                                                                            |

| Sound power level                                  |                                                                                                                     |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| EN ISO 3744:2010<br>Measurement methods :          | UA shall be hovering 0,5 m above the reflecting plane 90dB<br>Enclosed in a hemispherical measurement surface 93 dB |
| highest value of the different UA configurations : | <b>89 dB</b>                                                                                                        |

|                       | Regulations used                                                                                                                                                                       |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UAS</b>            | prEN 4709-006:2023, prEN 4709-007:2023                                                                                                                                                 |
| <b>Radio Spectrum</b> | EN 300 328 V2.2.2, EN 300 440 V2.2.1, EN 303 413 V1.2.1                                                                                                                                |
| <b>Safety</b>         | EN 62368-1:2014+A11:2017                                                                                                                                                               |
| <b>Health</b>         | EN IEC 62311:2020, EN 62479:2010                                                                                                                                                       |
| <b>EMC</b>            | EN 55032:2015+A11:2020, EN 55035:2017+A11:2020, EN 301 489-1 V2.2.3, EN 301 489-3 V2.1.1, EN 301 489-17 V3.2.4, EN 301 489-19 V2.1.1, EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019 |
| <b>RoHS</b>           | 2011/65/EU (EU)2015/863                                                                                                                                                                |
| <b>WEEE</b>           | 2012/19/EU                                                                                                                                                                             |
| <b>REACH</b>          | 2006/1907/EC                                                                                                                                                                           |

#### Schematic diagram of different module :

Describe the links between the main components of the aircraft and the different ground station modules:



## I.2 Types of Flight

|            |                                                     |                                                                    |
|------------|-----------------------------------------------------|--------------------------------------------------------------------|
| Manual:    | <input checked="" type="checkbox"/> On sight        | <input checked="" type="checkbox"/> Captive                        |
| Automatic: | <input checked="" type="checkbox"/> Go Home / Go To | <input checked="" type="checkbox"/> Other: Low Bat Lvl 2 - Go Home |

Note: automatismes for maintaining altitude, attitude or position are considered here to be part of manual flights

## I.3 Motorization

| Propellers/Rotors                       |                                              |                                               |            |
|-----------------------------------------|----------------------------------------------|-----------------------------------------------|------------|
| Number (propellers or main rotor):      | 6                                            | Number of anti-torque rotors (if applicable): |            |
| Engines                                 |                                              |                                               |            |
| Technology:                             | <input checked="" type="checkbox"/> Electric | <input type="checkbox"/> Other:               | Number: 6  |
| Most powerful engine currently planned: | Constructor:                                 | Model:                                        | Unit power |
|                                         | DJI                                          | Hp4114 – 350kv Brushless                      | 360 W      |

## I.4 Flight Controller and Associated Sensors

|              |     |        |    |
|--------------|-----|--------|----|
| Constructor: | Dji | Model: | A2 |
|--------------|-----|--------|----|

|                                                               |                                                                        |                     |      |
|---------------------------------------------------------------|------------------------------------------------------------------------|---------------------|------|
| Firmware (if different controller designation):               | DJI A2                                                                 | Version number (*): | V1.9 |
| <b>Altitude sensor</b>                                        |                                                                        |                     |      |
| The aircraft has a sensor to determine a barometric altitude: | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |                     |      |
| Altitude Reference 0 modalities:                              | Recording before take-off                                              |                     |      |

|                                                      |                                                                                      |                                                                                                  |
|------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Positioning sensors</b>                           |                                                                                      |                                                                                                  |
| The aircraft has sensors to determine its position:  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                  |                                                                                                  |
| If yes:                                              |                                                                                      |                                                                                                  |
| Types of sensors used for positioning or navigation: | Sensor                                                                               | Means of ensuring or controlling the integrity of information:                                   |
|                                                      | <input checked="" type="checkbox"/> GPS                                              | <input checked="" type="checkbox"/> GPS declared unavailable if less than 7 Available Satellites |
|                                                      | <input checked="" type="checkbox"/> Magnetometer                                     | <input checked="" type="checkbox"/> Calibration to be carried out for each important trip        |
|                                                      | <input checked="" type="checkbox"/> Other: 3-axis gyroscope and 3-axis axelerometers | Calibration before thirst flight                                                                 |

## I.5 Flight Parameter Recording

|                                                                                                                                          |                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| The aircraft is equipped with a device for recording essential flight parameters, allowing an analysis of the last 20 minutes of flight: | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |
| <b>Recorded informations</b>                                                                                                             |                                                                        |
| Type of informations                                                                                                                     | List of Saved Settings                                                 |
| Localization                                                                                                                             | Longitude, Latitude, Altitude, Speed, Heading                          |
| Attitude                                                                                                                                 | Gyroscope, Accelerometer, Temperature                                  |
| Quality of the command and control signal                                                                                                | 2.4 Ghz, Fasstest                                                      |

## I.6 Payload

This aircraft is used for clean the roof ; it's a captive aircraft

|                                                                             |                                                             |
|-----------------------------------------------------------------------------|-------------------------------------------------------------|
| Can the payload be modified by the operator:                                | <input checked="" type="checkbox"/> Yes                     |
| The payload is powered independently of that of the other aircraft systems: | <input checked="" type="checkbox"/> Yes (dedicated battery) |

## I.7 Restraint (Captive aircraft)

|                                                                                                                     |                                                        |                                                                                                                                              |                                         |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Cable diameter:                                                                                                     | 0.6 mm with length 30m                                 | Cable Material:                                                                                                                              | Polyamide 100LB                         |
| Tensile strength:                                                                                                   | 445N                                                   | - Aerodyne: > 10 times the weight at maximum weight.<br>- Aerostat: > 4 times the resultant of the maximum static and dynamic (wind) thrusts | <input checked="" type="checkbox"/> Yes |
| Fixing to the floor:                                                                                                | <input type="checkbox"/> Directly on the ground        | <input type="checkbox"/> to the remote pilot or an operator with a harness                                                                   |                                         |
|                                                                                                                     | <input checked="" type="checkbox"/> on a fixed ballast | Ballast mass:                                                                                                                                | 20 Kg                                   |
| The fasteners at aircraft level as well as at ground level (or ballast or remote pilot) have been adequately sized: |                                                        |                                                                                                                                              | <input checked="" type="checkbox"/> Yes |

Methods of blocking the cable to prevent unwinding in the event of an aircraft escape:

- ☐ None: the safety zone takes into account the total length of the cable  
☐ The reel is equipped with a brake  
☒ Manual Blocking  
The emergency blockade is carried out: ☐ Automatically  
☐ By the remote pilot ☒ By an operator

## I.8 Ground station / remote control

### Altitude information (required)

Barometric altitude displayed on the module(s): ☐ 1 ☒ 2 ☐ 3 ☐ 4

### Positioning Information

| The remote pilot has information on the position of the aircraft: | Format                                                                     | About the module(s)        |                                       |                            |                                       |                            |
|-------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------|---------------------------------------|----------------------------|---------------------------------------|----------------------------|
|                                                                   | <input type="checkbox"/> Cartography                                       | <input type="checkbox"/> 1 | <input type="checkbox"/> 2            | <input type="checkbox"/> 3 | <input checked="" type="checkbox"/> 4 | <input type="checkbox"/> 5 |
|                                                                   | <input checked="" type="checkbox"/> Distance to From the take-off position | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input checked="" type="checkbox"/> 4 | <input type="checkbox"/> 5 |
|                                                                   | <input checked="" type="checkbox"/> Coordinates                            | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4            | <input type="checkbox"/> 5 |
|                                                                   | <input checked="" type="checkbox"/> Other: Heading, Speed                  | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4            | <input type="checkbox"/> 5 |

### Ground speed information

Velocity relative to the ground displayed on the module(s): ☐ 1 ☒ 2 ☐ 3 ☐ 4

Speed limit ☒ Yes programmable by software Qground control and limit to 5 m/s (18 km/h)

## I.9 Radio links (command/control and payload)

### Main link

Between the aircraft and the module ☒ 1 ☐ 2 ☐ 3 ☒ 4

☒ Ground connection → aircraft Max power: 100m W

Main data transmitted: ☒ Path controls, power ☒ Flight Mode Selection

☒ Aircraft link → ground Max power: 100m W

Main data transmitted: ☒ Alarms, active mode, position, altitude, speed, battery level ...

Continuously monitor the quality of the command and control link and receive an alert when it is likely that the link is going to be lost (show in qground control APP on the tablet)

Operation: ☐ Analog ☒ Digital Frequency(s): **2.4 Ghz Fasttest** Scope: **2km**

Authorization: ☒ Free frequency(s) used within the authorized power limits

### Secondary Link No. 1 (if applicable)

Between the aircraft and the module ☐ 1 ☒ 2 ☐ 3 ☐ 4 Ground Station

☐ Ground connection → aircraft Max power: W

Main data transmitted:

☒ Aircraft link → ground Max power: 10m W

Main data transmitted: Video feedback, IOSD: Drone battery, position, speed, sat number ...

Operation: ☐ Analog ☒ Digital Frequency(s): **5.8 Ghz** Scope: **1km**

|                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                             |               |                     |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------|---------------------|-------------------|
| Authorization:                                                                                                                                                                                                                                                                                                                                                                                                                    | <input checked="" type="checkbox"/> Free frequency(s) used within the authorized power limits<br><input type="checkbox"/> Authorisation has been obtained from the assignee of the frequency: (attach the authorization) |                                             |               |                     |                   |
| <b>Secondary Link No. 2 (if applicable)</b>                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                             |               |                     |                   |
| Between the aircraft and the module <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4<br><input checked="" type="checkbox"/> Ground connection → aircraft      Max power: 100 mW<br>Main data transmitted:<br><input type="checkbox"/> Aircraft link → ground      Max power:<br>Main data transmitted: FTS, cut of motors and parachute ejection            |                                                                                                                                                                                                                          |                                             |               |                     |                   |
| Operation:                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> Analog                                                                                                                                                                                          | <input checked="" type="checkbox"/> Digital | Frequency(s): | <b>433Mhz 100mW</b> | Scope: <b>2KM</b> |
| Authorization:                                                                                                                                                                                                                                                                                                                                                                                                                    | <input checked="" type="checkbox"/> Free frequency(s) used within the authorized power limits<br><input type="checkbox"/> Authorisation has been obtained from the assignee of the frequency: (attach the authorization) |                                             |               |                     |                   |
| <b>Secondary Link No. 3 (if applicable)</b>                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                             |               |                     |                   |
| Between the aircraft and the module <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4<br><input type="checkbox"/> Ground connection → aircraft      Max power: W<br>Main data transmitted:<br><input checked="" type="checkbox"/> Aircraft link → ground, orther Aircraft      Max power: 10 mW<br>Main data transmitted: Transponder, refer page 2 module 3 |                                                                                                                                                                                                                          |                                             |               |                     |                   |
| Operation:                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> Analog                                                                                                                                                                                          | <input checked="" type="checkbox"/> Digital | Frequency(s): | <b>2.4ghz</b>       | Scope: <b>4kM</b> |
| Authorization:                                                                                                                                                                                                                                                                                                                                                                                                                    | <input checked="" type="checkbox"/> Free frequency(s) used within the authorized power limits<br><input type="checkbox"/> Authorisation has been obtained from the assignee of the frequency: (attach the authorization) |                                             |               |                     |                   |

## II. SECURITY FEATURES

### II.1 Altitude Limitation Function

|                                                                                                                                                                 |                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| An automatic device prevents the aircraft from exceeding a maximum altitude (virtual ceiling):                                                                  | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> The aircraft automatically stop |
| Activating the function:                                                                                                                                        | <input checked="" type="checkbox"/> All the time on<br>Feedback:<br>Setup in Qground control application    |
| This device works even if the aircraft is supposed to be following a flight plan in automatic navigation mode with one of the points above the selected ceiling | <input checked="" type="checkbox"/> Yes                                                                     |

### II.2 Flight Area Limitation Function

This aircraft is held by a cable (captive)

A device prevents the aircraft from leaving a defined flight area, or informs the remote pilot:

☒ Yes with QgroundControl App

Device Type(s):

- ☐ Virtual barrier  
☐ The aircraft stay in the flight volume  
☒ Visual alert on the module    ☐ 1 ☒ 2 ☐ 3 ☐ 4

Selectable boundary type

- ☐ The distance to a fixed point, defined as: Horizontal and Vertical  
☐ Parameterizable polygon

Activation of the device:

- ☐ All the time active (no need to set it up because captive aircraft)  
☐ Must be enabled in a configuration menu

This device works even if the aircraft is expected to be following, in automatic navigation mode, a flight plan with one point beyond the selected limits:

- ☐ Yes

### II.3 Low speed mode

Activating the function:

- ☒ Selectable by the remote pilot, limiting the ground speed to not more than 5 m/s ; Setup in Qground control application

## II.4 Impact energy limitation system (FTS system)

|                                                                                                                                    |                                                                                                                                                                          |                                                                                                                                                                                      |  |
|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| The aircraft is equipped with a third-party ground protection system in the event of an impact:                                    |                                                                                                                                                                          | <input type="checkbox"/> Parachute(s)<br><input checked="" type="checkbox"/> Motor cut off                                                                                           |  |
| This device limits the impact energy following a free fall from the maximum height of the operation to 69 joules:                  |                                                                                                                                                                          | <input type="checkbox"/> Yes<br>Minimum flight height: 40 M                                                                                                                          |  |
| Activation of the device triggers an audible alarm on the aircraft to signal the fall of the aircraft:                             |                                                                                                                                                                          | <input type="checkbox"/> Yes                                                                                                                                                         |  |
| The proper functioning of the device's activation mechanism can be checked on the ground by the remote pilot before the flight:    |                                                                                                                                                                          | <input type="checkbox"/> Yes (Visible servomotor movement in the absence of CO2 cartridge)                                                                                           |  |
| The device can be activated manually at any time by the remote pilot (except in the event of loss of link):                        |                                                                                                                                                                          | <input checked="" type="checkbox"/> Yes<br>via module <input checked="" type="checkbox"/> 5                                                                                          |  |
| The manual activation of the device automatically causes the propulsion of the aircraft to stop:                                   |                                                                                                                                                                          | <input checked="" type="checkbox"/> Yes 6 motors stop                                                                                                                                |  |
| Manual pilot control works even in the event of controller failure (separate receivers or separate channels of a common receiver): |                                                                                                                                                                          | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No                                                                                                               |  |
| If yes:                                                                                                                            | The control link of the device is independent of the main command and control link of the aircraft (separate transmitters/receivers on the aircraft and ground station): | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No                                                                                                               |  |
|                                                                                                                                    | The power supplies to the device and its remote control are independent of the aircraft's main power supplies and its command and control system:                        | <input checked="" type="checkbox"/> Yes (special battery 3s 1000mAh)<br><input type="checkbox"/> No                                                                                  |  |
| <b>Case of the parachute</b>                                                                                                       |                                                                                                                                                                          |                                                                                                                                                                                      |  |
| Triggering:                                                                                                                        |                                                                                                                                                                          | <input type="checkbox"/> Passive (by severity)<br>Active:<br><input type="checkbox"/> Spring<br><input type="checkbox"/> Pyrotechnics<br><input type="checkbox"/> Compressed gas CO2 |  |
| Number of parachutes:                                                                                                              |                                                                                                                                                                          | 0                                                                                                                                                                                    |  |
| Front area (total):                                                                                                                |                                                                                                                                                                          |                                                                                                                                                                                      |  |
| Stabilized Fall Speed After Deployment:                                                                                            |                                                                                                                                                                          |                                                                                                                                                                                      |  |

## II.5 Engine shutdown in flight

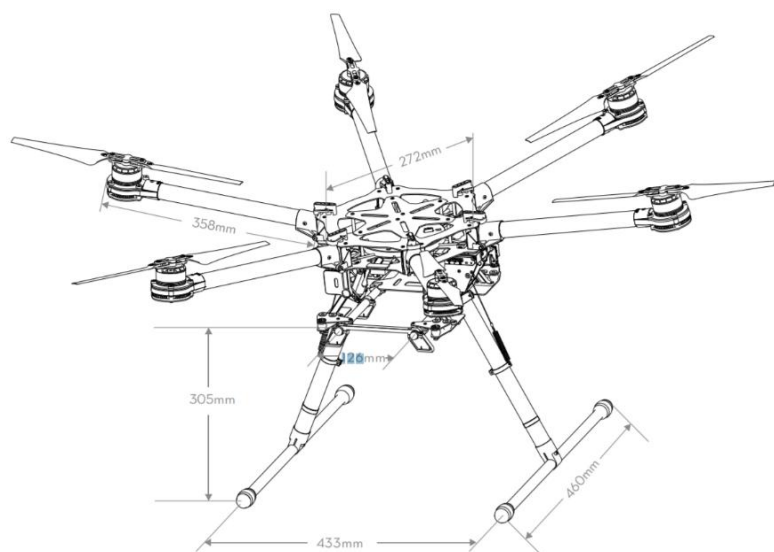
|                                                                                                 |                                                                                                                          |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| The remote pilot can manually control the engine shutdown at any time during the flight:        | <input checked="" type="checkbox"/> Yes, via module <input checked="" type="checkbox"/> 4<br><input type="checkbox"/> No |
| If yes:                                                                                         |                                                                                                                          |
| The control of this function can be tested on the ground by the remote pilot before the flight: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                      |
| Manual pilot control works even in the event of controller failure (separate receivers):        | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No                                                   |
| <b>Aircraft equipped with an impact energy limiting device</b>                                  |                                                                                                                          |
| The manual switching off of the motors automatically triggers the energy limiting device:       | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No                                                   |
| Are there automatic engine shutdown modes <u>in flight</u> ?                                    | <input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                                                   |

## II.6 Case of loss of command and control link

|                                                                                                                       |                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| In the event of a loss of the command and control link, the aircraft automatically initiates a "fail safe" procedure: | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> Automatically sits vertically<br><input checked="" type="checkbox"/> Automatically returns to a predefined point ("Go Home / Go To" function) at preprogrammed altitude and lands afterwards 5s dry.<br><input type="checkbox"/> No |
| The above procedure:                                                                                                  | <input checked="" type="checkbox"/> Starts 5 seconds after link loss<br>In the meantime, the aircraft:<br><input type="checkbox"/> Continues on its trajectory or continues its flight plan<br><input checked="" type="checkbox"/> Maintains its position                                               |
| <b>"Go Home / Go To" function (if applicable)</b>                                                                     |                                                                                                                                                                                                                                                                                                         |
| The height of the automatic return flight is programmable                                                             | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No, the rule is as follows:                                                                                                                                                                                                         |
| Procedures for designating the point of return:                                                                       | Memory Position When Take-Off                                                                                                                                                                                                                                                                           |
| In the event that positioning information is not available and does not allow for the return flight, the aircraft:    | <input checked="" type="checkbox"/> Automatically sits vertically, after 5s dry.                                                                                                                                                                                                                        |

## APPENDIX 1: VIEWS OF THE AIRCRAFT

### SERVIDRONE900C5



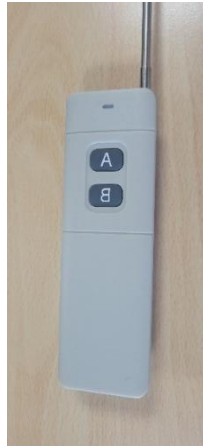
Hose attachment on the sprayer side:



Attachment on the pump side:



remote and motor cut off circuit : Cut off circuit will set PWM signal to Low Level.



**Cut off circuit will set PWM signal to Low Level.**



**Direct remote identification emission transponder :**

Independant power with battery 3S 500mAh



**Futaba transmitter T14SG with LCD 7' HD color**



Identification marking :

**UAS-FR-SER900-0001**

**ED-1XXX**

Servidrone31

27 BOULEVARD DES VIGNES

Rieumes

Phone +33 06 24 79 23 47

