

# 主机 spec EN

spec

## Antigravity A1 Drone

Name

Model

DE001

Takeoff Weight

With Flight Battery 249g

With High-Capacity Flight Battery weighs  
291g

Size

Folded: length 141.3mm, width 96.2mm,  
height 81.4mm

Unfolded: Length 308.6mm, Width 382.3mm,  
Height 89.2mm

Maximum Ascent Speed

8 m/s (S Mode)

6 m/s (N Mode)

3 m/s (C Mode)

\*Tested in a controlled windless environment  
at 25°C (77°F) at an altitude below 50m (164  
feet).

Maximum Descent Speed

8 m/s (S Mode)

6 m/s (N Mode)

3 m/s (C Mode)

\*Tested in a controlled windless environment  
at 25°C (77°F) at an altitude below 50m (164  
feet).

**Maximum horizontal speed (at sea level, no wind)** 16 m/s (S Mode)  
12 m/s (N Mode)  
3 m/s (C Mode)

\*Tested in a controlled windless environment at 25°C (77°F) at an altitude below 50m (164 feet).

**Maximum Takeoff Altitude** 4,000m (13,000ft) with Flight Battery  
3,000m (10,000ft) with High-Capacity Flight Battery

**Maximum Flight Time** Flight Battery: approximately 22 minutes

High-Capacity Flight Battery: approximately 35 minutes

Test Conditions:

Obtained under the conditions of an ambient temperature of 25°C, at altitude of <50m, a windless environment in the laboratory, camera parameters set to 5.2K/30fps without video recording enabled, and the drone in a hovering state. The actual flight time may vary depending on different external environments, usage patterns, and firmware versions. Please refer to your actual experience.

**Max Wind Speed Resistance** 10.7 m/s (Level 5)

**Operating temperature** -10°C to 40°C (14°C to 104°F)

**Supported memory card types** MicroSD, up to 1T

**Classification**

- Equipped with Flight Battery EU C0
- Equipped with High-Capacity Flight Battery EU C1

# Image transmission (divided into SDR, Bluetooth, Wi-Fi)

## Operating Frequency Band

2.400 GHz - 2.4835 GHz

5.170 GHz - 5.250 GHz

5.725 GHz - 5.850 GHz

*5.150 GHz to 5.250 GHz and 5.725 GHz to 5.850 GHz are only used in countries and regions where permitted by relevant regulations.*

## Transmit Power (EIRP)

2.4GHz:

<33dBm(FCC)

<20dBm (CE/SRRC/MIC)

5.1GHz:

<23dBm(CE/FCC)

5.8GHz

<33dBm(FCC)

<30dBm(SRRC)

<14dBm(CE)

## Maximum effective signal range (no interference, no obstruction)

10km (FCC)

8km (SRRC)

6km (CE)

Measured at an ambient temperature of 25°C in an outdoor environment without interference or obstruction. The above data shows the maximum one-way non-return communication distance under each standard. The actual maximum distance may vary depending on different external environments, usage methods, and firmware versions. Please refer to your actual experience.

**Antenna** 4 Antennas, 2T2R

## WI-FI

**Agreement** 802.11a/b/g/n/ac

**Operating Frequency Band** 2.400 GHz - 2.4835 GHz  
5.170 GHz - 5.250 GHz  
5.725 GHz - 5.850 GHz

*Note: 5.150 GHz to 5.250 GHz and 5.725 GHz to 5.850 GHz are only used in countries and regions where permitted by relevant regulations.*

**EIRP** 2.4GHz:  
<20dBm (CE/SRRC/FCC)  
5.1GHz:  
<20dBm (FCC/CE/SRRC)  
5.8GHz  
<20dBm (FCC/SRRC)  
<14dBm (CE)

## Bluetooth

**Agreement** BT5.0

**Operating Frequency Band** 2.400 GHz - 2.4835 GHz

**EIRP** <10dBm

## GNSS

**Satellite Navigation System** GPS + BeiDou+GALILEO

# Standard Flight Battery

Drone-compatible battery	BDEmini-2360-7.16
Capacity	2360mAh
Weight	<67.5g max
Nominal Voltage	7.16v
Charging Limit Voltage	8.6V
Battery Type	Li-ion 2S
Energy	16.9Wh
Charging Environment Temperature	5~45°C (charging will stop if the cell temperature exceeds 55°C during the charging process)

**Charging Time**

Ambient temperature 25°C

Charge using the Antigravity 65W GaN Fast Charger via the Antigravity A1 Charging Hub

Single battery: Charging from 0% to 100% takes approximately 45 minutes

Three batteries: Charging from 0% to 100% takes approximately 2 hours and 15 minutes

Charge through the aircraft using the Antigravity 65W GaN Fast Charger

Single battery: Charging from 0% to 100% takes approximately 58 minutes

## High-Capacity Flight Battery

Drone-compatible battery	BDEmax-4345-7.16
Capacity	4345mAh

<b>Weight</b>	<108.6g max
<b>Nominal Voltage</b>	7.16v
<b>Charging Limit Voltage</b>	8.6V
<b>Battery Type</b>	Li-ion 2S
<b>Energy</b>	31.11Wh
<b>Charging Environment Temperature</b>	5~45°C (charging will stop if the cell temperature exceeds 55°C during the charging process)
<b>Charging Time</b>	<p>Ambient temperature 25°C</p> <p>Charge using the Antigravity 65W GaN Fast Charger via the Antigravity A1 Charging Hub</p> <p>Single battery: Charging from 0% to 100% takes approximately 60 minutes</p> <p>Three batteries: Charging from 0% to 100% takes approximately 3 hours</p> <p>Charge through the aircraft using the Antigravity 65W GaN Fast Charger</p> <p>Single battery: Charging from 0% to 100% takes approximately 103 minutes</p>

## Vision Goggles

## Vision Goggles

<b>Model</b>	DGS001
<b>Weight</b>	340g (0.75lb) without battery
<b>Size</b>	Antenna folded: length 174mm, width 106mm, height 92mm

	Antenna Deployment: Length 200mm, Width 106mm, Height 115mm
<b>Inner Screen Size (Single Screen)</b>	1.03-inch Micro-OLED Screen
<b>Screen Recording Format</b>	Supports MP4 screen recording
<b>Supported Playable File Formats</b>	MP4,MOV,JPG,PNG,INSP,INSV
<b>Operating environment temperature</b>	-10°C to 40°C
<b>Power Input</b>	Only supports the dedicated battery for Antigravity Vision Goggles and requires the use of the dedicated USB-C to DC cable

## Video Transmission

<b>Operating Frequency Band</b>	2.400 GHz - 2.4835 GHz 5.170 GHz - 5.250 GHz 5.725 GHz - 5.850 GHz <i>5.150 GHz to 5.250 GHz and 5.725 GHz to 5.850 GHz are only used in countries and regions where permitted by relevant regulations.</i>
<b>Transmit Power (EIRP)</b>	2.4GHz: <33dBm(FCC) <20dBm(CE/SRRC) 5.1GHz: <23dBm(FCC/CE) <20dBm (SRRC) 5.8GHz <33dBm(FCC) <30dBm(SRRC)

< 14dBm(CE)

**Maximum video transmission distance** 10km(FCC)  
8km(SRRC)  
6km(CE)

**Antenna** Six antennas, 2T2R

## Wi-Fi

**Agreement** Wi-Fi 6, 802.11 a/b/g/n/ac/ax

**Operating Frequency Band** 2.400 GHz - 2.4835 GHz  
5.170 GHz - 5.250 GHz  
5.725 GHz - 5.850 GHz  
*5.150 GHz to 5.250 GHz and 5.725 GHz to 5.850 GHz are only used in countries and regions where permitted by relevant regulations.*

**Transmit Power (EIRP)** 2.4GHz:  
< 23dBm(FCC)  
< 20dBm(CE/SRRC)  
5.1GHz:  
< 23dBm(FCC/CE)  
< 20dBm(SRRC)  
5.8GHz  
< 23dBm(FCC/SRRC)  
< 14dBm(CE)

**Antenna** 2T2R

## Bluetooth

**Agreement** BT5.2

**Operating Frequency Band** 2.400 GHz - 2.4835 GHz

**Transmit Power (EIRP)** < 10dBm

## **GFSK**

**Operating Frequency Band** 2400MHz-2483.5MHz

**Transmit Power (EIRP)** < 10dbm

**Data Transmission Distance** < 10m

(The above data was measured in an outdoor open and interference-free environment, representing the maximum communication distance between the remote controller and the flight goggles under typical operating conditions. For reference only. Please keep the remote controller close to the flight goggles when in use.)

## **Antigravity Vision Battery**

**Model** DGS-4500-7.3

**Weight** Max 175g

**Longest Battery Life** ≈2H

(Ambient temperature 25°C, typical operating condition of Vision Goggles ~11W, battery life up to 2H.)

**Nominal Voltage** 7.3V

**Rated Capacity** 4500mAh

**Rated Energy** 32.85Wh

**Charging Interface / Charging Power** USB-C (5V3A;9V3A;12V2A)

**Charging Duration** <2.5H

**Charging Environment Temperature** 3°C to 45°C (battery charging will stop at 55°C)

## Antigravity Grip

## Remote Control

**Model** SRCSE001

**Weight** Approximately 115g

**Size** Length 143mm, Width 45mm, Height 72.5mm

**Operating temperature** -10°C to 40°C

## GFSK

**Operating Frequency Band** 2.4000-2.4835 GHz

**Transmit Power (EIRP)** <10dBm

**Data Transmission Distance** <10m  
(The above data was measured in an outdoor open and interference-free environment, representing the maximum communication distance between the remote controller and the flight goggles under typical operating conditions. For reference only. Please keep the remote controller close to the flight goggles when in use.)

# Battery

**Input Power**

Max 5V/2A

**Charging Interface**

USB-C(5V/2A)

**Charging Duration**

<2.5H (charging at ambient temperature of 25°C)

**Cell Capacity**

2300mah

**Nominal Voltage**

3.6V

**Energy**

8.28WH

**Charging Environment Temperature**

5°C to 45°C (charging will stop if the temperature exceeds 55°C during the charging process)