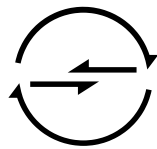


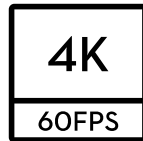
# Go the Distance



30ms /2km digital video transmission



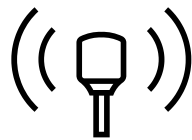
1080p/100FPS H.265 video transmission



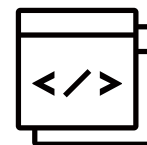
4K/60FPS videos



155° super wide field of view



Automatic frequency switching



Canvas mode

## DJI O3 Air Unit - Go the Distance

State-of-the-art DJI transmission technology enclosed in a lightweight, compact design? See for yourself that it's possible! **The DJI O3 Air Unit** will provide you with excellent image quality

over long distances and is distinguished by **ultra-low latency**, thanks to which you will take your FPV experience to a whole new level. The device is a real breakthrough in imaging performance - it offers a **1/1.7-inch sensor**, **flagship video technology**, **155° super-wide field of view** and more. <sup>[1]</sup> It is also distinguished by its compatibility with a wide range of products. Get a reliable image transmission tool, unleash your creativity and enjoy even more sky-high travels!<sup>[2]</sup>



## Enjoy flagship video streaming

Get powerful video transmission capabilities - **The DJI O3 Air Unit** supports **DJI's flagship O3+** technology. This allows you to control the drone while enjoying the shortest response time and clear, sharp live feed. The device also has built-in **2T2R omni-directional antennas**, which guarantee greater stability and smoother transmission. Set off on your next adventure in the skies and experience an unforgettable experience!



## See even more

Get an even clearer and smoother live view. The DJI O3 Air Unit can stream video at resolutions **up to 1080p** , offering frame rates up to **100FPS**.<sup>[3]</sup> Also supports **H.265** codec . The result is fantastic image quality. With the DJI O3 Air Unit you will discover a new dimension of sky travel and provide yourself with an unforgettable experience!



## Built-in 1080p micro OLED screens

Get even more realism on your next flight. **DJI Goggles 2** are equipped with **two HD micro OLED screens**, which are distinguished by a refresh rate **of up to 100 Hz** and guarantee incredible clarity. <sup>[3]</sup> Thanks to this, you will feel as if you are actually looking at the world from under the clouds!





## Create even greater images

Be amazed by the improved performance of the DJI O3 Air Unit. The camera module of the device offers **20 GB** of built-in memory and is equipped with a **1/1.7-inch matrix**. As a result, you can enjoy excellent picture quality and incredible detail. Thanks to the solutions used, you

you can enjoy excellent picture quality and incredible detail. Thanks to the solutions used, you can easily record a stable **4K/60FPS movie**, and **the super-wide 155° field of view** will allow you to fit much more in the frame! <sup>[8]</sup> The module is also distinguished by its **f/2.8 aperture** and **12.7mm equivalent focal length**. Check what else will surprise you!

## Enter the world of colors

Vivid, natural colors? Find out how easy it is! Try **the D-Cinelike mode** and gain more freedom when color grading in post-production. However, the possibilities don't end there! **The DJI O3 Air Unit camera module is** perfect for use with DJI Avata **ND filters (ND8/16/32)**, which are made of the highest quality materials and allow flexible aperture control. <sup>[9]</sup> They also allow hassle-free **exposure selection**. All this translates into natural, faithfully reproduced colors and an interesting contrast between light and shadow.



## Customize it

The DJI O3 Air Unit features a **lightweight, compact design** and **wide compatibility** . This means that you will successfully use it in various configurations. In combination with the **DJI Goggles 2** and the **DJI FPV Remote Controller 2 apparatus** , it will provide you with complete mobility and freedom! <sup>[10]</sup> Moreover, the device supports **Canvas mode** . This allows you to customize the information displayed on the **DJI Goggles 2** or **DJI FPV Goggles V2** screens . Set the PID parameters and configure the system to best suit your habits!



## Say goodbye to limitations - compatibility with various DJI devices

Get more opportunities. The DJI O3 Air Unit is compatible with the **DJI FPV Goggles V2** , which offers **O3 video transmission** , **high resolution**, **long range**, **high noise immunity** and **low latency** . It also works with **DJI Goggles 2** , which are distinguished by a lighter, smaller design and have built -in **micro-OLED screens** . The device also works in conjunction with the **DJI FPV Remote Controller 2** , which is **ergonomically shaped** , equipped **with Hall effect sticks** and

allows you to use **the M mode** that allows you to perform even extremely complex maneuvers.



## Footnotes

\*During high-definition, high-frame-rate video shooting, the product may overheat and stop recording due to relatively high power consumption. If this happens, turn around and land as soon as possible to allow the device to cool down. In addition, it is recommended to take care of effective heat dissipation



and avoid blocking the ventilation openings.

1. 155° field of view is only available when the aspect ratio is 4:3 and the video recording specification is 2.7K @ 50/60FPS or 1080p @ 50/60FPS, and when the aspect ratio is 16:9 and the specification video recording is 4K @ 50/60FPS, 2.7K @ 50/60FPS or 1080p @ 50/60FPS.
2. The device is compatible with DJI Goggles 2, DJI FPV Goggles V2 and DJI FPV Remote Controller 2, which are sold separately.
3. Using DJI Goggles 2, tested outdoors in an open area free of interference.
4. In compliance with CE standard.
5. Tested outdoors in an open area free of interference. Video latency data varies depending on the headset you use. With DJI Goggles 2 at 1080p/100fps video transmission quality, the lowest latency is 30ms. With DJI FPV Goggles V2, at 810p/120fps video transmission quality, the latency does not exceed 28 ms.
6. Tested outdoors in an open area free of interference. Video transmission bitrate may vary depending on the operating environment.
7. The 2.4GHz and 5.8GHz frequency bands are supported for receiving, and only the 5.8GHz frequency band is supported for transmitting. Some countries or regions do not support the 5.8 GHz band. Please check local regulations before use and strictly follow them.
8. 4K/60FPS videos only support 16:9 aspect ratio. 4:3 aspect ratio is not supported.
9. Sold separately.
10. Compared to using DJI FPV Goggles V2 and DJI FPV Remote Controller.

## product specification

### Camera

#### Matrix

1/1.7" CMOS Effective pixels: 48 MP

#### Lens

Field of View (FOV): 155° Equivalent Focal Length: 12.7mm Focal Length: 2.34mm Aperture: f/2.8 Focus Mode: FF Focus Range: 0.6m to ∞

## ISO range

100-6400(Auto) 100-25600(Manual)

## Snapshot

Roll Shutter

## Field of View (FOV)

155°

## Video resolution

With DJI Goggles 2: 4K @ 50/60FPS 2.7K @ 50/60/100FPS 1080p @ 50/60/100FPS With DJI FPV Goggles V2: 4K @ 50/60FPS 2.7K @ 50/60/100/120FPS @ 1080p 50/60/100/120FPS

## video format

MP4

## Electronic Image Stabilization (EIS)

The product supports RockSteady technology.

## Libra

Approx. 8.3 g (including coaxial cable)

## Air Unit module

### Libra

Air Unit (without Camera Unit): Approx. 28g Air Unit (including Camera Unit): Approx. 36.4g  
Antenna: Approx. 3g

### Dimensions (L x W x H)

Transmission module: 32.5 x 30.5 x 14.5 mm (L x W x H) Camera module: 21.2 x 20 x 19.5 mm (L x W x H) Coaxial cable: 115 mm (length) 3-in-1 cable: 100mm (length) Antenna: 85mm (length)

### Communication frequency

2.400-2.4835 GHz (RX only) 5.725-5.850 GHz (RX and TX) [1]

### Transmission power (EIRP)

FCC: <33dBm CE: <14dBm SRRC: <30dBm

### Live view quality and end delay <sup>[2]</sup>

With DJI FPV Goggles V2: 810p/120FPS video transmission quality: less than 28ms latency.

810p/60FPS video streaming quality: less than 40ms latency. With DJI Goggles 2:  
1080p/60FPS video streaming quality: less than 30ms latency. 1080p/60FPS video streaming  
quality: less than 40ms latency.

### **video transmission range <sup>[3]</sup>**

10km (FCC), 2km (CE), 6km (SRRC)

### **Flight controller software supported**

Compatibility with flight controller software that supports Betaflight. Please see the product  
FAQ for more information.

### **input voltage**

7.4-26.4V

### **Working temperature**

-10°C to 40°C (14°F to 104°F)

### **Channels**

Auto mode support Manual mode support: 40 MHz: 1 channel; 20MHz: 3 channels; 10MHz: 3  
channels;

### **Channel information**

FCC / SRRC / CE: 40 MHz: Ch 1: 5794.5 MHz 20 MHz / 10 MHz: Ch 1: 5768.5 MHz Ch 2: 5804.5

MHz Ch 3: 5839.5 MHz

## Supported SD cards

microSD (up to 256GB)

## Recommended microSD cards

SanDisk Extreme U3 V30 A1 32GB microSDXC SanDisk Extreme Pro U3 V30 A1 32GB microSDXC Kingston Canvas Go!Plus U3 V30 A2 64GB microSDXC Kingston Canvas React Plus U3 V90 A1 64GB microSDXC Kingston Canvas React Plus U3 V90 A1 128GB microSDXC Kingston Canvas React Plus U3 V90 A1 256GB microSDXC Samsung PRO Plus U3 V30 A2 256GB microSDXC

## DJI Goggles supported

DJI Goggles 2 and DJI FPV Goggles V2

## Supported DJI remote controllers

DJI FPV Remote Controller 2

## DJI Goggles 2

Model

RCDS18

Libra

Approx. 290g (including headband)

### **Dimensions (L x W x H)**

Antennas folded: 167.40 x 103.90 x 81.31 mm Antennas unfolded: 196.69 x 103.90 x 104.61 mm

### **Screen size (one screen)**

0.49"

### **Resolution (one screen)**

1920x1080

### **Refresh rate**

Up to 100Hz

### **Diopter adjustment range**

56-72mm

### **Field of view (single screen)**

51°

## Communication frequency

2.400-2.4835GHz 5.725-5.850GHz

## Transmission power (EIRP)

2.4GHz: < 30dBm (FCC), < 20dBm (CE / SRRC / KC) 5.8GHz: < 30dBm (FCC), < 23dBm (SRRC), < 14dBm (CE / KC)

## WiFi protocol

Wi-Fi 802.11 b/a/g/n/ac

## Wi-Fi communication frequency

2.400-2.4835 GHz 5.150-5.250 GHz (indoor use only) [4] 5.725-5.850 GHz

## Wi-Fi Transmission Power (EIRP)

2.4 GHz: < 20 dBm (FCC / CE / SRRC / KC) 5.1 GHz: < 20 dBm (FCC / CE / KC) 5.8 GHz: < 20 dBm (FCC / SRRC / KC), < 14 dBm (CE)

## Bluetooth protocol

Bluetooth 5.2

## Bluetooth communication frequency

2.400-2.4835GHz

### **Bluetooth Transmission Power (EIRP)**

< 8 dBm

### **video bitrate <sup>[5]</sup>**

2.400-2.4835GHz

### **Video recording format**

MOV

### **Supported video and audio playback formats**

MP4 and MOV (video codecs: H.264 and H.265; audio formats: ACC and PCM)

### **Wi-Fi wireless streaming**

DLNA protocol support

### **Power**

DJI Goggles 2 battery



# DJI Goggles 2 battery

## Capacity

1800mAh

## Tension

7-9V(1.5A)

## Type

Li-ion

## Energy

18 Wh

## charging temperature

0°C to 45°C (32°F to 113°F)

## charging power

12.6W (5V/2A, 9V/1.4A)

## Libra

Approx. 122g

### **Dimensions (L x W x H)**

73.04 x 40.96 x 26mm

### **Working time**

Approx. 2 hours

## **DJI FPV Goggles V2**

### **Libra**

Approx. 420 g (including headband and antennas)

### **Supported video and audio playback formats**

MP4, MOV, MKV (Video codecs: H.264; Audio formats: AAC-LC, AAC-HE, AC-3, MP3)

### **Working temperature**

0°C to 40°C (32°F to 104°F)

### **Video recording format**

MOV (video codecs: H.264)

### Communication frequency

2.400-2.4835GHz 5.725-5.850GHz

### video bitrate <sup>[5]</sup>

50Mbps

### Dimensions (L x W x H)

Without antennas: 184 x 122 x 110 mm With antennas: 202 x 126 x 110 mm

### Supported SD cards

microSD (up to 256GB)

### Charging temperature range

5° to 40°C

### Refresh rate

144 Hz

### Screen resolution

1440x810

## DJI FPV Goggles V2 battery

### Weight

Approx. 119 g

### Dimensions

73.04 x 40.96 x 26mm

### Capacity

1800mAh

### Tension

9V max

### Type

Li-Po 2S

### Energy

## charging temperature

0°C to 45°C (32°F to 113°F)

## Working time

Approx. 110 minutes

# DJI FPV Remote Controller 2

## Model

FC7BGC

## Libra

Approx. 346g

## Communication frequency

2.400-2.4835GHz 5.725-5.850GHz

## Transmission power (EIRP)

2.4 GHz: ≤ 28.5 dBm (FCC), ≤ 20 dBm (CE/SRRC) 5.8 GHz: ≤ 31.5 dBm (FCC), ≤ 19 dBm (SRRC), ≤ 14 dBm (CE)

**Dimensions (L x W x H)**

190 x 140 x 51mm

**Working time**

Approx. 9 h

**Working temperature**

-10°C to 40°C (14°F to 104°F)

**Charging time**

Approx. 2.5 hours

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