



DJI FPV Goggles

## Remarkable HD Image



### HD Image Quality

DJI FPV Goggles support and record in 720p/120fps. This high-quality HD view provides pilots with a clear image while flying.

### Instant Playback

Videos recorded and saved on the microSD card can be replayed instantly through DJI FPV Goggles.<sup>17)</sup>

### Broadcasting Supported

Pilots can share camera views with other DJI FPV Goggles that are set to Audience mode, allowing viewers to see what the racers see.



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# DJI DIGITAL FPV SYSTEM

REIMAGINE YOUR FPV WORLD

28ms/4km

low latency and max transmission range<sup>11)12)</sup>

720p / 120fps

image quality for the DJI FPV Goggles

8

drones can be flown simultaneously<sup>3)</sup>

1080p / 60fps

video recorded by the DJI FPV Air Unit<sup>4)</sup>

7ms

low latency transmission between the RC and air unit<sup>5)</sup>

4-in-1

closed-loop control for the DJI FPV RC<sup>6)</sup>

## Intelligent and Convenient FPV Racing

With a highly integrated video transmission, built-in receiver, and easy-to-use flight controller system, the DJI Digital FPV System is both easy to assemble and convenient to purchase. Each component has been programmed to memorize initial linking with other components, eliminating the need to repeatedly pair modules or adjust parameters.

## A New Era of FPV Racing

### 720p/120fps Video Transmission

The DJI HDL FPV Transmission technology features a smooth 720p/120fps HD live view and a latency within 28 ms.

### Anti-Interference Digital Transmission

The DJI HDL FPV Transmission technology utilizes a two-way communication system, helping to stabilize signal connections.

### 28ms Low Latency

The DJI HDL FPV Transmission technology delivers a latency within 28 ms and a stunning HD view.

Specs

## DJI FPV GOGGLES

### Weight

Approx. 415 g (headband and antennas included)

### Screen Size

2-inch × 2

### Dimensions

184 × 122 × 110 mm (antennas included),  
202 × 126 × 110 mm (antennas excluded)

### Transmitter Power (EIRP)

FCC/MIC: <30 dBm;  
CE: <14 dBm;  
SRRC: <19 dBm

### Video Format

MP4 (Video format: H.264)

### Screen Resolution (Single Screen)

1440 × 810

### Live View Mode

Low Latency Mode (720p/120fps)  
High Quality Mode (720p/60fps)

### Operating Temperature

32° to 104° F (0° to 40° C)

### Communication Frequency

5.725-5.850 GHz

### Power Input

7.4 V - 17.6 V

### Supported Video Play Format

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



Specs

## DJI FPV AIR UNIT MODULE

### Weight

Air Unit (Camera included): 45.8 g  
3.9 g (MMCX elbow)

### Operating Frequency

5.725-5.850 GHz

### Video Format

MP4 (Video format: H.264;  
Audio format: ACC-LC)

### Operating Temperature Range

32° to 104° F (0° to 40° C)

### Max. Transmission Distance

FCC/SRRC: <4 km;  
CE: <0.7 km

### Input Power

7.4 - 17.6 V

### Min. Latency (end-to-end)

Low Latency Mode (720p/120fps): <28 ms  
High Quality Mode (720p/60fps): <40 ms

### I/O Interface

USB-C, MMCX, 3-in-1 port, microSD card slot

### Transmitter Power (EIRP)

FCC/SRRC: <30 dBm;  
CE: <14 dBm

### Supported Flight Control System

F3, F4, F7

### Dimensions

Air Unit: 44 × 37.8 × 14.4 mm  
Camera: 27.4 × 21.1 × 20.1 mm  
Coaxial Cable: 100 mm

Specs

## DJI FPV CAMERA

### Sensor

1/3.2" CMOS; Effective Pixels: 4 M

### FOV

150° (D); 122° (H); 93° (V)

### Lens

2.1 mm, f/2.1

### Shutter

Rolling shutter

### ISO

100-25600

Specs

## DJI FPV REMOTE CONTROLLER

### Weight

765 g

### Charging Temperature

5° to 40° F (41° to 104° C)

### Operation Current/Voltage

0.6 A @ 7.6 V

### Operation Frequency

5.725-5.850 GHz

### Max. Transmission Distance (Unobstructed, free of interference)

FCC/SRRC: 4 km;  
CE: 0.7 km

### Operation Temperature

0° to 40° F (32° to 104° C)

### Transmitter Power (EIRP)

FCC: <30 dBm;  
CE: <14dBm;  
SRRC:<19dBm

Notes:

- 4km maximum transmission distance; FCC: 4 km, CE: 0.7 km, SRRC: 4 km.
- Latency rate under 28ms at 720p/120fps and under 40ms at 720p/60fps.
- There are up to eight channels for DJI FPV Goggles depending on the region (FCC: 8, CE/SRRC: 4, MIC: 3). Each channel has a bandwidth of 20 MHz. The default channel is eight and only one pilot at a time is allowed to use this channel. Channel eight can be changed manually to avoid interference from other devices. All channels operate under a 5.8GHz frequency.
- The DJI FPV Air Unit can also record in 720p/60fps (with audio).
- 7ms low latency between the DJI FPV RC and DJI FPV Air Unit can only be achieved under ideal conditions. Latency rates are not consistent.
- 4-in-1 closed-loop software for the DJI FPV RC reduces operational errors and allows users to change settings remotely.
- Users must remove the microSD card from their DJI FPV Air Unit and insert it in their DJI FPV Goggles to watch recorded videos.



DJI FPV Air Unit

## 1080p Aerial Recording

### 8 Channels, 8 Drones

The DJI FPV Air Unit is equipped with eight frequency channels, which allows up to eight drones to fly simultaneously.

### Embedded Remote Controller Receiver

Users can wirelessly connect their DJI FPV Air Unit to the DJI FPV RC without having to purchase additional receivers. This reduces flight preparation time significantly.

### 1080p Aerial Footage

The DJI FPV Air Unit records videos at 1080p/60fps during flight, providing pilots with smooth and clear aerial footage.

### Dynamic Filming Capabilities

With a 150° ultra-wide-angle lens and three easy-to-use camera modes, pilots can overcome challenges in different flying scenarios, all while obtaining a vivid image.

DJI FPV Controller

## Integrated Control

### An Integrated System

The DJI FPV Remote Controller's closed-loop software allows users to remotely set parameters for all components, increasing stabilization and reducing operational errors.

### 4km Control Distance

During drone operation, the DJI FPV Remote Controller can control the DJI FPV Air Unit at distances up to 4 km, allowing pilots to fly farther.



### 7ms Low Latency

The latency between the DJI FPV Air Unit and the DJI FPV Remote Controller can go as low as 7 ms, allowing pilots to send flight commands faster and complete difficult aerial stunts.