Clifton Cameras Product Specification

DJI O3 Air Unit

Air Unit
Weight:

Air Unit (camera module excluded): Approx. 28 g

Air Unit (camera module included): Approx. 36.4 g

Antenna: Approx. 3 g

Dimensions (L x W x H):

Transmission Module: 32.5×30.5×14.5 mm (L×W×H)

Camera Module: 21.2×20×19.5 mm (L×W×H)

Coaxial Cable: 115 mm

3-in-1 Cable: 100 mm

Antenna: 85 mm

Communication Frequency: 2.400-2.4835 GHz (RX only). 5.725-5.850 GHz (RX and TX)

Transmission Power (EIRP):

FCC: < 33 dBm

CE: < 14 dBm

SRRC: < 30 dBm

Live view quality and end-to-end latency:

With DJI FPV Goggles V2:

810p/120fps Video Transmission Quality: The latency is lower than 28 ms

810p/60fps Video Transmission Quality: The latency is lower than 40 ms

With DJI Goggles 2:

1080p/100fps Video Transmission Quality: The latency is as low as 30 ms

1080p/60fps Video Transmission Quality: The latency is as low as 40 ms.

Max Video Transmission Range; 10km (FCC), 2km (CE), 6km (SRRC)

Supported Flight controller Firmware: Compatible with flight controller firmware that supports betaflight.

Input Voltage: 7.4-26.4 V

Operating Temperature: -10° to 40°C (14° to 104°F)
Channels:
Supports manual mode: 40 MHz: 1 channel; 20 MHz: 3 channels; 10 MHz: 3 channels

Channels Info:

FCC/SRRC/CE: 40MHz

Channel 1: 5794.5 MHz 20MHz/10 MHz

Channel 1 : 5768.5 MHz

Channel 2: 5804.5 MHz

Channel 3: 5839.5 MHz

Supported SD Cards: microSD (up to 256 GB)

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

Supported DJI Goggles: DJI Goggles 2 and DJI FPV Goggles V2

Supported DJI Remote Controller: DJI FPV Remote Controller 2