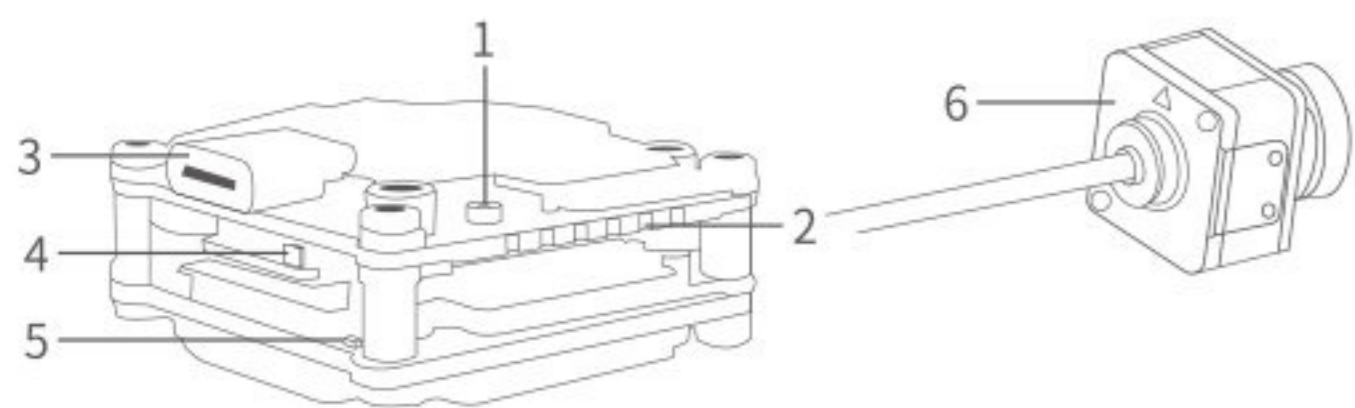


Introduction

The CADDXFPV VISTA KIT is an advanced video transmission module that supports a 5.8GHz digital video signal and 720p 120fps image transmission, with a transmission range of up to 4km and a minimum end-to-end latency within 28ms*. The vista kit can be mounted on a racing drone and used with DJI FPV Goggles or a remote controller to transmit video, control signals, and flight controller information wirelessly.

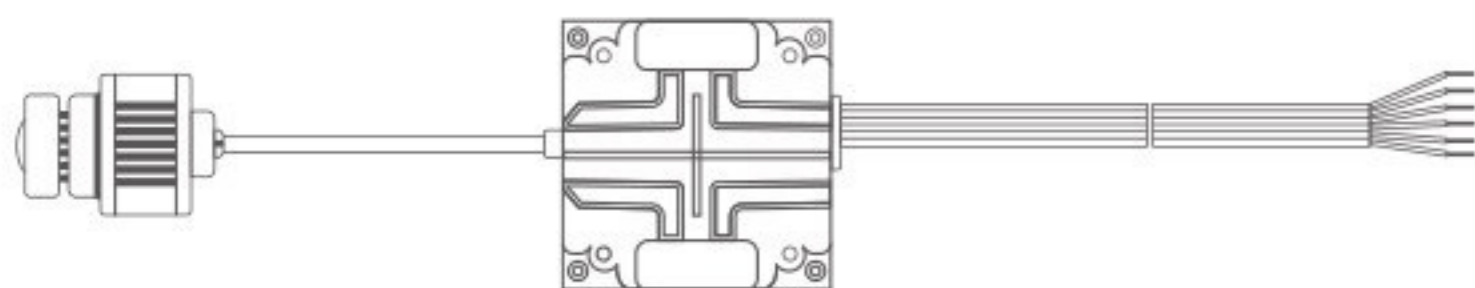


1. IPEX Antenna Ports
2. 3-in-1 Port
3. USB-C Port
4. Link Button
5. Linking Status Indicator
6. Camera

*The end-to-end latency is the total time from camera input to screen display. The device is able to reach its minimum latency and maximum transmission distance (FCC) in a wide open area with no electromagnetic interference.

Connection

Refer to the illustration below to mount and connect the vista kit to a racing drone.



3-in-1 Cable

- RED: Power (7.4-26.4V)
- BLACK: Power GND
- YELLOW: UART RX (Connects to Flight Controller OSD TX, 0-3.3V)
- WHITE: UART TX (Connects to Flight Controller OSD RX, 0-3.3V)
- BLACK: Signal GND
- YELLOW: DJI HDL (Connects to Flight Controller S.Bus, 0-3.3V)

- An electric soldering iron and soldering tin are required for connection. Make sure that there are no short circuits or open circuits when soldering the cables.
- There are up to eight channels for the vista kit depending on the region (FCC: eight, CE/SRRC: four, MIC: three). Each channel has a bandwidth of 20 MHz. The public channel is 8, which is the default channel when the equipment is powered on. The channel can be changed manually to avoid interference from other devices.

- The vista kit may become hot during or after operation, DO NOT touch the vista kit before it cools down.
- Do not use the vista kit for an extended period when the temperature is high or there is poor ventilation. Otherwise, the vista kit may overheat and enter low-power mode which will affect its performance. If the vista kit enters overheat protection mode, restart it or wait for it to cool down and it will automatically return to normal.
- Keep the vista kit away from metal objects or carbon fiber frames. Make sure to choose a position where the transmission will not be blocked during flight.

Activation

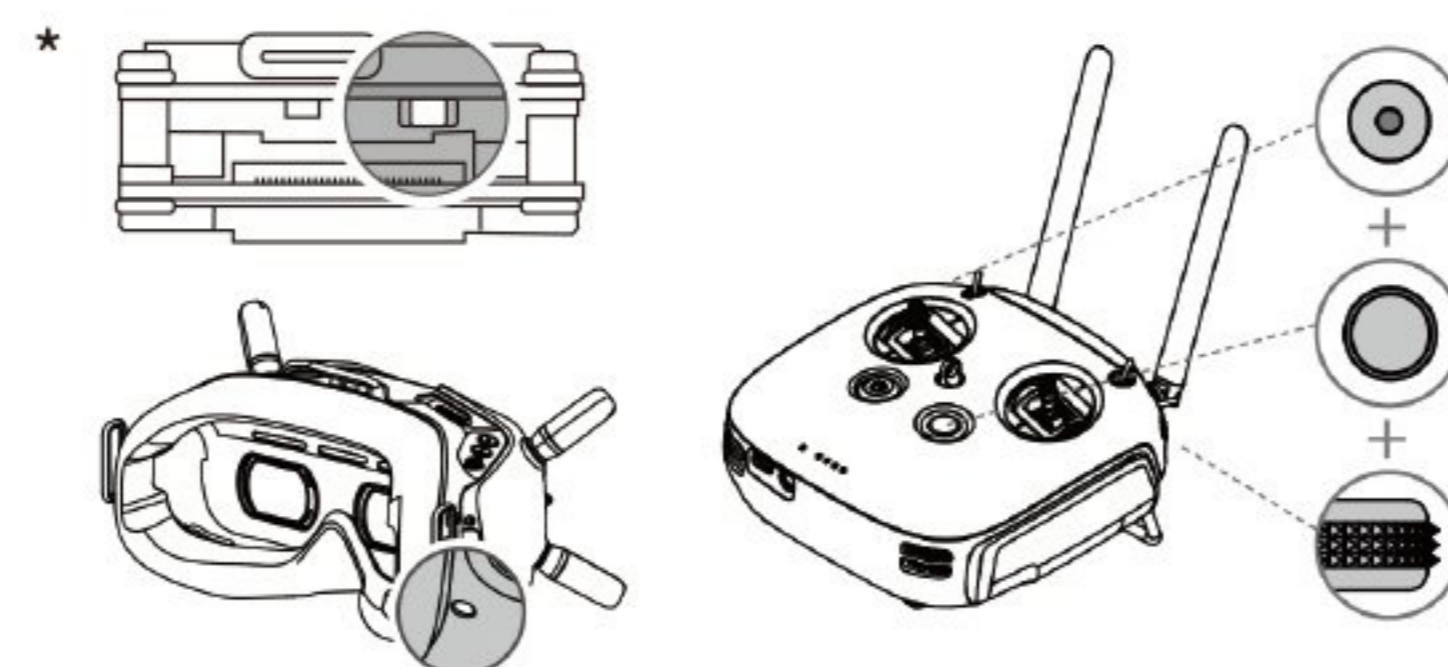
When powered on, connected the vista kit to your computer and run DJI ASSISTANT™ 2 for activation. During the activation and upgrade process, there is a lot of heat. Please avoid direct contact to prevent burns. Overheating may lead to upgrade failure and unable to boot normally. You need to be aware of the ambient temperature and use a fan to assist cooling. The warranty service does not support the crash caused by firmware refresh.

Download DJI Assistant 2 at <https://www.dji.com/fpv/downloads>

Binding

1. Power on the vista and the DJI FPV Goggles.
2. Press the link button on the vista and the goggles.*
3. The linking status indicator of the vista turns solid green. The goggles stop beeping when successfully linked and the video display is normal.
4. Power on the vista and the DJI FPV Remote Controller.
5. Press the link button on the vista, and then press the record button, C button, and right dial on the remote controller simultaneously.*
6. Both the linking status indicators turn solid green when successfully linked.

* When ready to link, the devices will give the following indication:
 Vista: the linking status indicator turns solid red.
 Goggles: the goggles beep continually.
 Remote controller: the remote controller beeps continually and the status indicator blinks blue.



For more information on how to use dji products visit www.dji.com

OSD display settings

Identifier	Configuration/MSP	Serial Rx	Telemetry Output
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO
UART1	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>	Disabled AUTO
UART2	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>	SmartPort AUTO

1. After connecting the UART cable to the flight controller, take the Betaflight flight controller software setting as an example. Open the corresponding UART port and click Save

<input type="checkbox"/> SONAR	Sonar
<input checked="" type="checkbox"/> TELEMETRY	Telemetry output
<input type="checkbox"/> LED_STRIP	Multi-color RGB LED strip support
<input type="checkbox"/> DISPLAY	OLED Screen Display
<input type="checkbox"/> CHANNEL_FORWARDING	Forward aux channels to servo outputs
<input type="checkbox"/> TRANSPONDER	Race Transponder
<input checked="" type="checkbox"/> AIRMODE	Permanently enable Airmode
<input checked="" type="checkbox"/> OSD	On Screen Display
<input checked="" type="checkbox"/> ANTI_GRAVITY	Temporary boost I-Term on high throttle changes

2. Select telemetered and OSD. click save



3. Finally, select the display content you need in the OSD page (some OSDs are not supported, please wait for subsequent updates)

Operating Channel

Central frequency(MHz)	Channel1	Channel2	Channel3	Channel4	Channel5	Channel6	Channel7	Channel8
FCC	5660	5695	5735	5770	5805	5878	5914	5839
CE/SRRC	5735	5770	5805	-	-	-	-	5839
MIC	5660	5700	-	-	-	-	-	5745

*Make sure you fully understand and abide by local laws and regulations before using this product. An amateur radio license may be needed in FCC regions when using channels 1, 2, 6, or 7, as they are amateur frequency bands. Users who use the amateur frequency bands with a modified or cracked version or without a license may be punished for breaking local laws or regulations.

Specifications

Weight	Vista Kit(camera included):29g Antenna:2.5g
Dimensions	Vista Kit:30×29×13mm Camera:27.4×21.1×20.1mm Coaxial Cable:120mm
Operating Frequency	5.725-5.850GHz
Transmitter Power(EIRP)	FCC/SRRC/MIC:<30 dBm; CE:<14dBm
Min.Latency(end-to-end)	Low Latency Mode(720p 120fps):<28ms; High Quality Mode(720p 60fps):<32ms
Max. Transmission Distance	FCC/SRRC:4km;CE:0.7km
I/O Interface	USB-C,IPEX,3-in-1 port
Supported Flight Control System	F3,F4,F7
Operating Temperature Range	32°to 104°F(0°to 40 °C)
Input Power	7.4-26.4V
Camera	Sensor: 1/3.2" CMOS; Effective Pixels: 4M Lens: 2.1mm,f/2.1 Shutter: Rolling shutter ISO: 100-25600 FOV: 150°(D); 122°(H); 93°(V)



Instagram



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www.caddxfpv.com