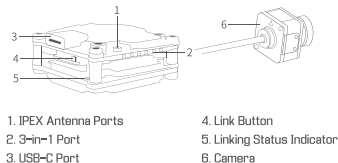


Introduction

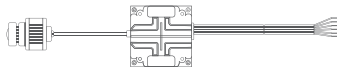
The CADDXPV VISTA KIT is an advanced video transmission module that supports a 5.8GHz digital video signal and 720p 120fps image transmission, with a transmission range of up to 4km and a minimum end-to-end latency within 28 ms*. The vista kit can be mounted on a racing drone and used with DJI FPV Goggles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



*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.

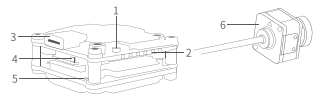
Download DJI Assistant 2 at <https://www.dji.com/fpv/downloads>

Specifications

Weight	Vista Kit (camera included): 29g Antenna: 3.5g
Dimensions	Vista Kit: 30×29×13mm Camera: 27.4×21.1×20.1mm Coaxial Cable: 80mm
Operating Frequency	5.725–5.850GHz
Transmitter Power (EIRP)	FCC/SRRC/MIC: <30 dBm; CE: <14 dBm
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)

简介

CADDXFPV VISTA KIT 是一款一体化高清图传设备,支持 5.8GHz 数字信号以及 720p 120fps 图传画面,端到端延时低至 28ms 以内,传输距离可达 4km*。可安装于穿越机或其他设备上与 DJI FPV 飞行眼镜或遥控器配合使用,通过无线通信传输视频图像、飞控系统信息以及地面端控制信号。

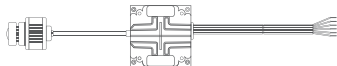


- 1、IPEX 天线接口
- 2、三合一接口
- 3、USB-C 接口
- 4、对频按键
- 5、对频状态指示灯
- 6、相机

* 端到端延时为从相机采集到屏幕显示的总延时。在开闸无遮挡、无电磁干扰的环境使用,设备可以达到最低延时和最大传输距离(FCC 标准)。

安装连线

参照下图连线并将各模块固定于飞行器或其他设备上



三合一连接线

- 红: 电源 (7.4-26.4v)
- 黑: 电源 GND
- 黄: UART_RX(接飞控 OSD TX, 0-3.3V)
- 白: UART_TX(接飞控 OSD RX, 0-3.3V)
- 黑: 信号 GND
- 黄: DJI HDL(接飞控 S.Bus, 0-3.3V)

- 用户需自备电烙铁和焊锡进行连线。焊接时确保焊点牢固且不会出现短路或开路
- VISTA KIT 最多支持 8 个带宽为 20MHz 的频率(根据地区有所不同, FCC: 8 个, CE/ SRRC: 4 个, MIC: 3 个)。其中 8 号频率为公共频率,设备开启后会先进入该频率,用户可手动选择其他工作频率以避免设备间的干扰。

- 本产品发热较大,请勿在无外部散热的条件下直接触摸 Vista kit。
- 请避免在环境温度较高且不通风的情况下长时间使用 Vista kit, 否则产品温度过高将进入低功耗模式,性能会受到影响。
- 安装 VISTA 天线时注意天线尽量远离金属/碳纤维结构件,并确保飞行中天线不会被遮挡。

激活

VISTA KIT 需在供电状态下连接至电脑并运行 DJI ASSISTANT™ 2 调参软件进行激活

(调参软件下载地址: <https://www.dji.com/fpv/downloads>)

产品规格

重量	VISTA KIT (含相机): 29g 天线: 3.5g
外形尺寸	VISTA KIT: 30 × 29 × 13mm 相机: 27.4 × 21.1 × 20.1mm 同轴线: 80mm
通信频率	5.725-5.850GHz
发射功率(EIRP)	FCC/ SRRC/ MIC: <30dBm; CE: <14dBm
端到端最低延时	低延迟模式 (700p 120fps): <28ms 高画质模式 (720p 60fps): <32ms
最大传输距离	FCC/ SRRC: 4km; CE: 0.7km
接口	USB-C, IPEX, 3-in-1 port
支持飞控系统	F3, F4, F7
工作环境温度	0°C 至 40°C
输入电源	7.4-26.4V
相机	影像传感器: 1/3.2 英寸 CMOS, 有效像素 400 万 镜头: 2.1mm, 光圈 f/2.1 快门: 卷帘快门 ISO: 100-25600 FOV: 150° (D); 122° (H); 93° (V)