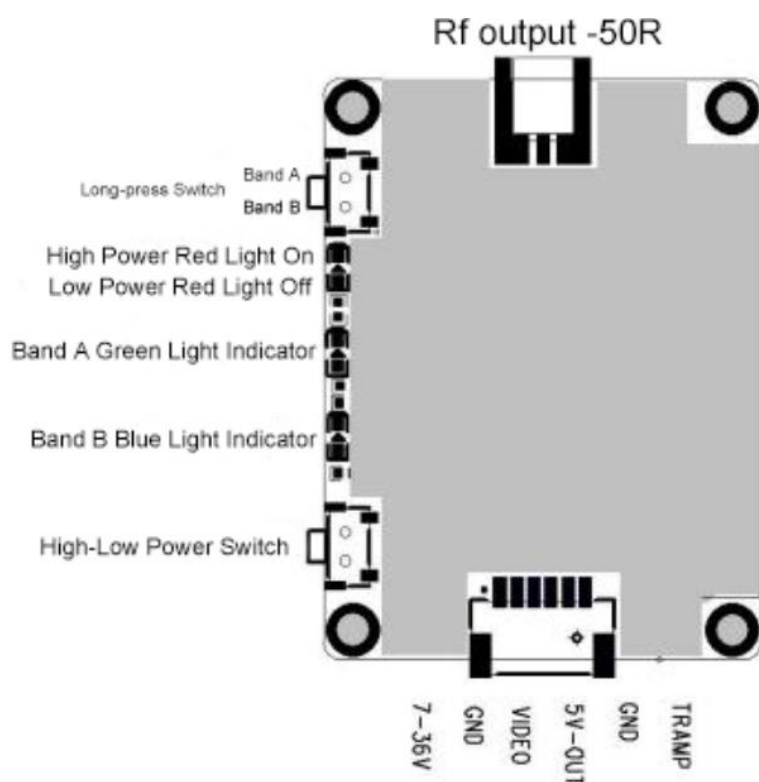


3.3GHz Analog Video Transmitter
VTX 4W(36dBm)
User's Manual



1. Key and LED Indicator Interface Specification



1.1 Button and Indicator Specification

Key A: Band A and Band B Frequency switching key

- 1). Long press band A/B to switch, short press frequency to switch
- 2). Green light on, corresponding to the band A, and the blue light is corresponding to the band B. The number of green flashes indicates the frequency information corresponding to the band A.

The number of blinking blue lights indicates the frequency information corresponding to band B

Key B: Switch between high and low power

- A. Red light: red light on, maximum power mode,
- B. Red light off, PIT mode (with power off memory function)

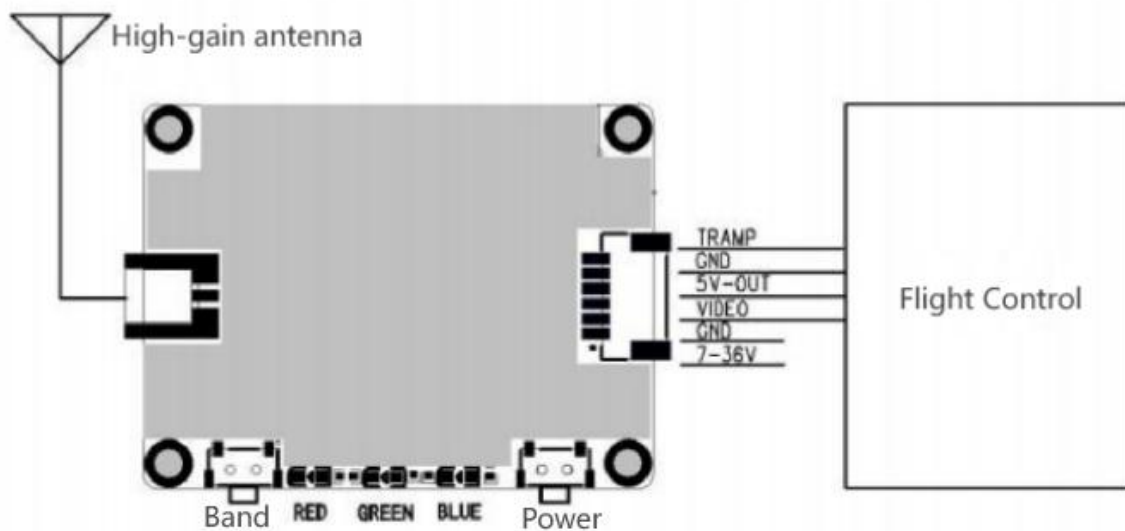
1.2 Interface Specification

As shown in the figure above, the antenna interface is connected to the extension wire of the MMCX connector, and the antenna standing wave must be less than 1.5 and the frequency range is between 3.3-3.5GHz.

Power supply, analog camera interface: 1.0 spacing 6pin, please note the wiring sequence.

Tramp GND 5V-OUT Video GND 7-36V_ IN

2. Graph Transmission Connection Mode



- ① **TRAMP:** Support flight control IRC Tramp protocol interaction
- ② **GND:** GND
- ③ **5V_OUT:** Supply 5V power to the flight control
- ④ **VIDEO:** CVBS Analog camera or VIDEO input 1Vp-p
- ⑤ **GND:** GND
- ⑥ **7-36V:** Module power input

3. Factory Condition

- (1) The default BAND is 3330MHz, BAND-A channel 1.
- (2) Green flash once
- (3) Default PIT mode, lowest power mode

4. Key Control Logic

Switch CH frequency, short press to change the pair frequency.

Example: By default, the current power-on is green and blinking once A cycle, the red light is off, and the blue light is off, indicating band A.

CH1, frequency 3330MHz, lowest power mode, press the button B red on, you can turn on the highest power mode.

To switch BAND band, press and hold key A to change the corresponding band.

For example, the default operating status is BAND A, CH1, that is, 3330MHz. The green light flashes once. Hold down the button A and the blue light flashes once, and the status switches to: BAND B band, CH1, that is, 3170MHz; Blue light flashes once cycle.

5. Key Menu

Band	Channel	Frequency	Switching Method	Indicator Light	
BAND-A	1	3330MHz	1. Press and hold button A 2. Green light on 3. Tap to switch frequency	Green Light	Flash 1 time
	2	3350MHz			Flash 2 time
	3	3370MHz			Flash 3 time
	4	3390MHz			Flash 4 time
	5	3410MHz			Flash 5 time
	6	3430MHz			Flash 6 time
	7	3450MHz			Flash 7 time
	8	3470MHz			Flash 8 time
BAND-B	1	3170MHz	1. Press and hold button A 2. Blue light on 3. Tap to switch frequency	Red Light	Flash 1 time
	2	3190MHz			Flash 2 time
	3	3210MHz			Flash 3 time
	4	3230MHz			Flash 4 time
	5	3250MHz			Flash 5 time
	6	3270MHz			Flash 6 time
	7	3290MHz			Flash 7 time
	8	3310MHz			Flash 8 time

6. Transmitter Parameter

Specs	Min	Median	Max	Note
Output Power	35dBm	36dBm	36.2dBm	
Voltage	7V	10V	36v	
Current		0.85A		
Low Power Current		0.25A		
Operating Temperature	-30℃	25℃	85℃	
Operating Humidity	10%	50%	95%	
Storage Temperature	-40℃	25℃	90℃	
Video Input Amplitude	0.8Vp-p	1Vp-p	1.2Vp-p	

7 . User Attention

7.1 The voltage range is as close to the middle as possible, and do not work at the edge of the limit or over voltage.

7.2 Before power-on, use a qualified antenna to connect it.