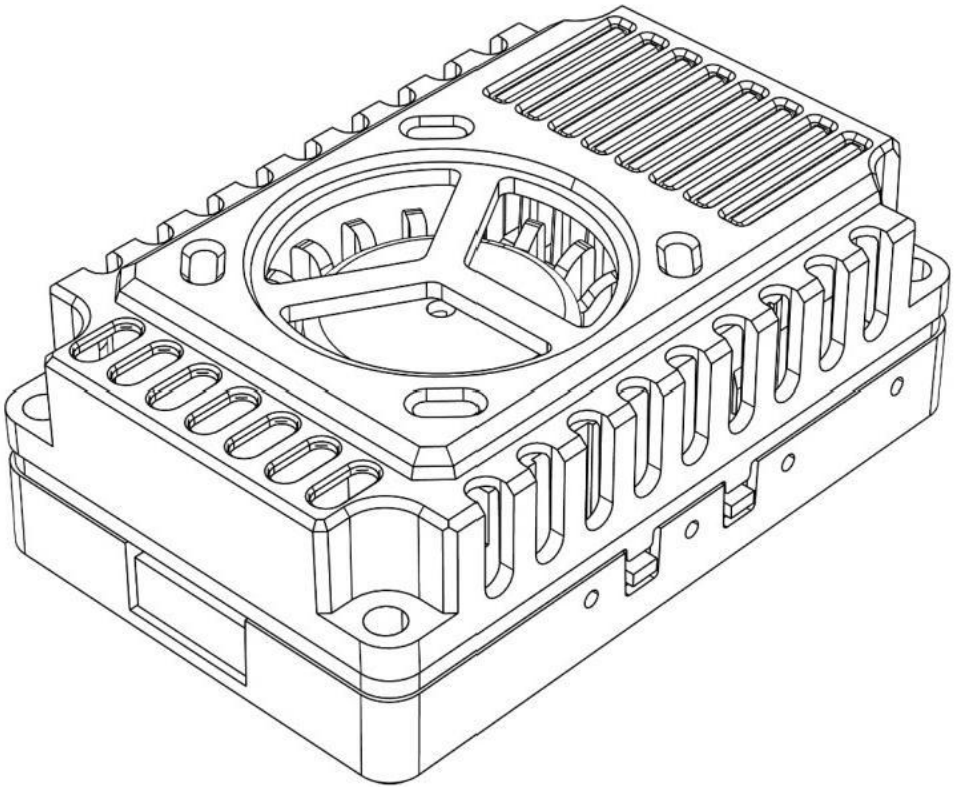
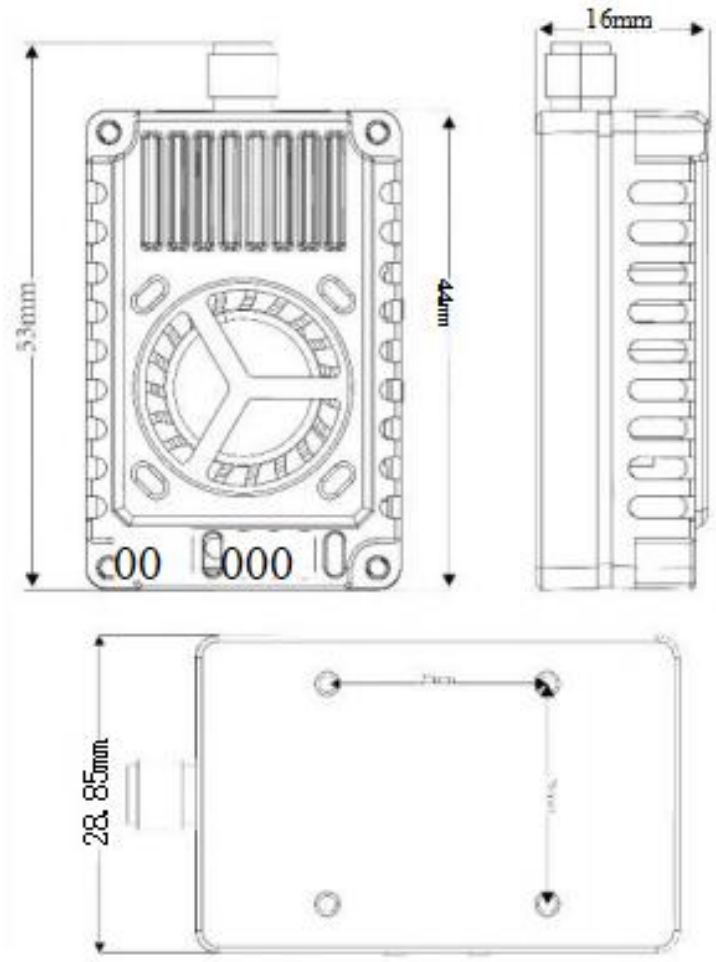
Operation Instruction of Transmitter (VTX)

4.9-6GHz 4W

I. Product Appearance



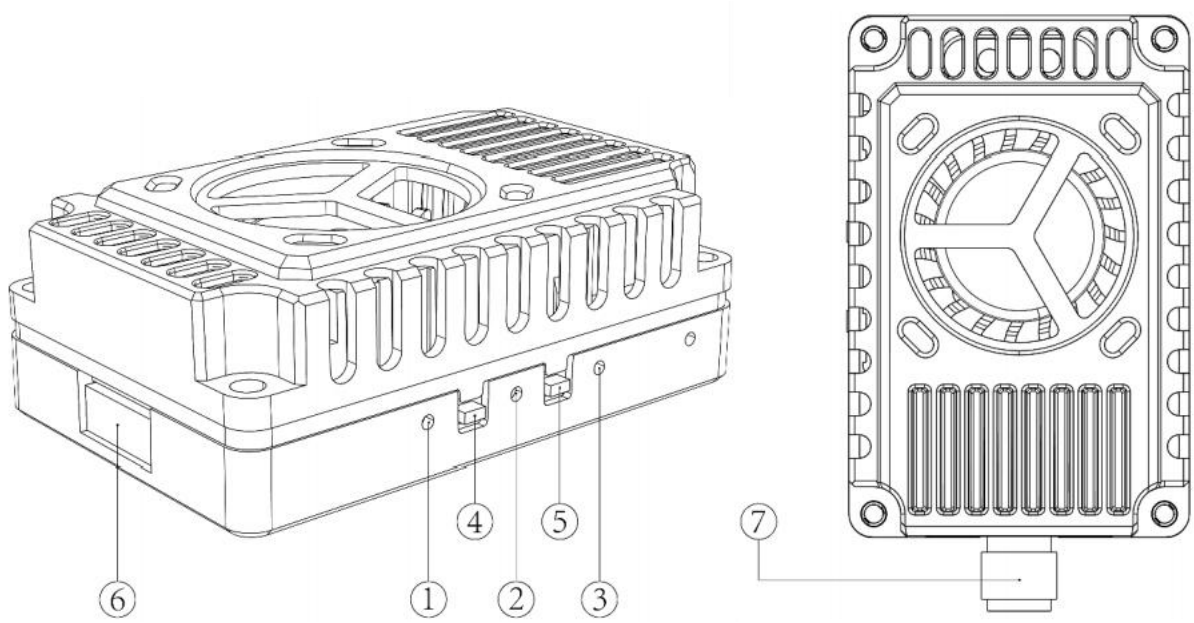
II. Product Dimension



III. Specifications

1. 4.9-6GHz 96 CH: 4867MHz-5945MHz
2. Max power: 4W (25mW/2000mW/4000mW, adjustable)
3. Input voltage: DC 7V-36V, supporting 2-8S battery input
4. Antenna connector: SMA Mother seat inner hole
5. Smart audio: IRC Tramp
6. Heat-dissipating method: aluminum alloy shell, heat sink&fan
7. Hole spacing: 20mm*20mm/ø2mm
8. Dimension: 53mm*28.85mm*16mm
9. Weight: 25.85g

IV. Function Introduction



1. Channel indicator: Red LED
2. Band indicator: Blue LED
3. Power indicator: Green LED
4. Band & Channel changer button
5. Power changer button
6. 1.0 6P Power connector
7. SMA Mother seat inner hole

V. Control Method and LED Indicator

1. Button ④ is used to switch band and channel; every time when button ④ is pressed for a short time to switch to the next channel, the red LED ①will flash, 1.2.3.4.5.6.7.8 in turn. The operation can be cyclic; see the following diagram for details!

Short press button ④ to switch channel									
Red LED	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	
	Flash once	Flash twice	Flash for 3 times	Flash for 4 times	Flash for 5 times	Flash for 6 times	Flash for 7 times	Flash for 8 times	

2. Long press button ④ to switch frequency bands. Long press for 5 seconds and the corresponding blue LED will flash, in order: Frequency Groups A, B, E, F, R, D, X, L, J, U, O, H. This operation can be repeated; see the figure below for details!

Long press button ④ to switch frequency bands.												
Blue LED	Band A	Band B	Band E	Band F	Band R	Band D	Band X	Band L	BandJ	Band U	Band O	Band H
	Flash once	Flash twice	Flash for 3 times	Flash for 4 times	Flash for 5 times	Flash for 6 times	Flash for 7 times	Flash for 8 times	Flash for 9 times	Flash for 10 times	Flash for 11 times	Flash for 12 times

3. Button ⑤ is the power adjustment button. Each short press switches the power level by one step, cycling through the three levels of 25mW, 2000mW, and 4000mW. The green LED is the power indicator light, with the following states as shown in the figure below: 25mW flashes once, 2000mW flashes twice, and 4000mW flashes three times. Holding the button for 3 seconds enters pit mode, with the green light staying on. See the figure below for details!

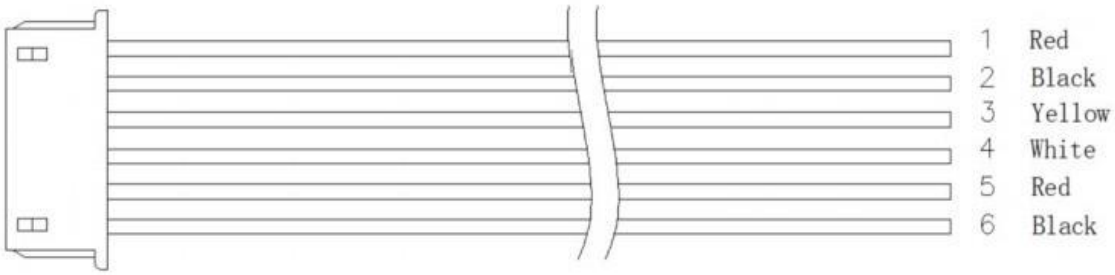
Short press button ⑤ Power switch				
Green LED	**Pit Mode**	**25mw**	**2000mw**	**4000mw**
	Everlasting brightness	Flashes 1 time	Flashes twice	Flashes three times

Note: This image transmission device has a temperature protection function. When the temperature of the image transmission device exceeds 100° C, the transmission power of the image transmission device will be reduced by one level. If the temperature remains above 100° C, the transmission power will be reduced by another level until it reaches the lowest power level (25mW). At this point, the temperature of the image transmission device will decrease. When the temperature drops to 95° C, the transmission power will return to the originally set power level.

VI. Frequency Table

Frequency Table								
Band	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
Band A	5865	5845	5825	5805	5785	5765	5745	5725
Band B	5733	5752	5771	5790	5809	5828	5847	5866
Band E	5705	5685	5665	5645	5885	5905	5925	5945
Band F	5740	5760	5780	5800	5820	5840	5860	5880
Band R	5658	5695	5732	5769	5806	5843	5880	5917
Band D	5362	5399	5436	5473	5510	5547	5584	5621
Band X	4990	5020	5050	5080	5110	5140	5170	5200
Band L	5333	5373	5413	5453	5493	5533	5573	5613
Band J	4867	4884	4921	4958	4995	5032	5069	5099
Band U	5325	5348	5366	5384	5402	5420	5438	5456
Band O	5474	5492	5510	5528	5546	5564	5582	5600
Band H	5653	5693	5733	5773	5813	5853	5893	5933

VII. Illustrate of 6P 1.0 Wiring



Wiring Table:

NO	1	2	3	4	5	6
FUN	7-36V	GND	Video	IRC	5VOut	GND
Color	Red	Black	Yellow	White	Red	Black

VIII. Notice for Use:

1. The VTX must be installed with space to ensure that the air convection around the module to ensure that the module heat dissipation; otherwise, the module overheating protection start, reduce the power to transmit, or even shut down the power to transmit.
2. It is recommended that before turning on the power, to ensure that the correct voltage range, positive and negative poles are correct, so as not to burn components.
3. It is recommended that before turning on the power, make sure that the RF RF output has been installed antenna, which can extend the life of the module.
4. Please read the instruction manual before use, so that you can correctly wire and extend the module service life.