VT5804 / VT5804pro transmission specifications

Overview of PandaRC VT58 Series

Pandarc VT58 series of pictures for the 5.8G ISM band analog map transmission, with stable output power, transmission distance, power filter strong, to ensure that the image under the maximum throttle without snowflakes, no stripes and so on. Not only this, Pandarc VT58 series map also has the ability of S.BUS remote control, boot time does not interfere with companions, and support more than 8 people at the same time flying super function.

PandaRC VT58 series selection table

product model	Remote frequency control	Input voltage	Transmit power	Self-checking function	transmission distance	weight	Radio frequency interface	Size	applicable model
VT5802	PWM	7V-24V	200mW	Yes	1km+	7g	SMA	20*30*9mm	室外穿越机
VT5801	S.BUS	7V-24V	25mW/200mW	Yes	1km+	7g	SMA	20*30*9mm	室外穿越机
VT5801 pro	S.BUS	7V-24V	25mW/200mW /600mW	Yes	2km+	7g	SMA	20*30*9mm	室外穿越机
VT5804	S.BUS	7V-24V	25mW/200mW	Yes	1km+	6g	MMCX	36*36*5mm	室外穿越机
VT5804 pro	S.BUS	7V-24V	25mW/200mW /600mW	Yes	2km+	6g	MMCX	36*36*5mm	室外穿越机
VT5805	S.BUS	7V-30V	25mW/200mW /1000mW	Yes	5km+	--	--	---	固定翼
VT5803	S.BUS	5V-5.5V	25mW	No	0.5km+	2g	IPEX	16mm*12.2mm*3mm	室内穿越机

VT5804 / VT5804pro Product Description

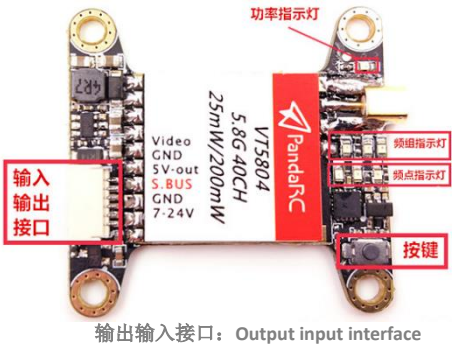
- **Feature**

1. The output power is stable ,the far transmission distance :≥0.5km@25mW,≥1km@200mW, ≥2km@600mW(Stick antenna)

2. Transmit power 3 gear switch: 25mW / 200mW / 600mW (VT5804 support 25mW / 200mW, VT5804pro support 25mW / 200mW / 600mW)
3. S.BUS remote frequency control
4. Output 40 frequency points, and has E group 8 race frequency at the same time using each other without interference;
5. Frequency lock fast, boot does not interfere with companions;
6. Built-in output power self-check function;
7. Full format video format: NTSC /PAL
8. Wide input voltage range. low power consumption:7V～24V，+12V/260mA@600mW;
9. Small volume:36mm×36mm×5mm;mounting holes correspond exactly CC3D NAZE32 F3 F4 Flying control
10. Light weight:≤6g(Does not contain antenna)

- **Specification**

	Modulate	Wideband FM Modulate			
	Video Format	NTSC/PAL			
	Characteristics	Value			Units
		MIN.	Typ.	Max.	
1	Output Impedance	…	50	…	Ohm
2	Output Power	27.5	28	28.5	dbm
3	VCC-IN	7.0	12	24	v
4	Supply current@12V@600mW	240	250	260	mA
5	Video Band Width	0	…	8.0	Mhz
6	Audio carrier requency		6.5	…	Mhz
7	Video Input Level	0.8	1.0	1.2	Vp-p
8	Audio Input Level	0.5	…	2.0	Vp-p
9	Audio Input Impedance	…	10K	…	Ohm
10	Weight	…	6	…	g
11	Antenna Connector	MMCX Connector			
12	Dimensions(L*W*H)	36mm*36mm*5mm			



输出输入接口：Output input interface

- **Frequency and power control methods**

1. S.BUS remote frequency control: After the access to the S.BUS signal, through the remote control the sixth channel to control the current group frequency CH1-CH8 cycle (remote control sixth channel set two switches, travel to keep the maximum);
2. key frequency control: short press once, change the number of channels CH (CH1-CH8), long press the button for 2 seconds and then press the key to change the frequency group FR (A-E);
3. button power control: long press the button for 10 seconds and then press the button to change the power level 25mW / 200mW /600mW; (see details of the right power switch instructions)

	25mW	200mW	600mW
FR灯	○○●	○●○	●○○
CH灯	○○●	○●○	●○○

4. Power Indicator: (Details See below power indicator)

	25mW	200mW	600mW	故障
功率指示红灯	闪1下停3秒	闪2下停3秒	闪3下停3秒	常亮

功率指示红灯：Power indicator red light

闪一下停 3 秒：Flash stop for 3 seconds

闪 2 下停三秒：Flash 2 stop for 3 seconds

5. 频率表:Frequency table

Pandarc Frequency Table(Mhz)

CH / FR		CH1 ○○○	CH2 ○○●	CH3 ○●○	CH4 ○●●	CH5 ●○○	CH6 ●○●	CH7 ●●○	CH8 ●●●
A	○○●	5865	5845	5825	5805	5785	5765	5745	5725
b	○●○	5733	5752	5711	5790	5809	5828	5847	5866
C	○●●	5705	5685	5665	5645	5885	5905	5925	5945
d	●○○	5740	5760	5780	5800	5820	5840	5860	5880
E	●○●	5658	5695	5732	5769	5806	5843	5880	5917

蓝灯指示FR，绿灯指示CH,空心圆表示灭，实心圆表示亮

蓝灯指示 FR：Blue light indicates FR,

绿灯指示 CH：green light indicates CH,

空心圆表示灭：hollow circle indicates off,

- **Attention**

1. Determine the output end has been installed before the antenna, so as not to damage the internal components
2. Note that the input voltage within the specified range and positive and negative, so as not to damage the internal components
3. If you replace the antenna, select the standing wave and the gain of the antenna to get the distant transmission distance
4. Transport and installation of the process of attention to electrostatic protection