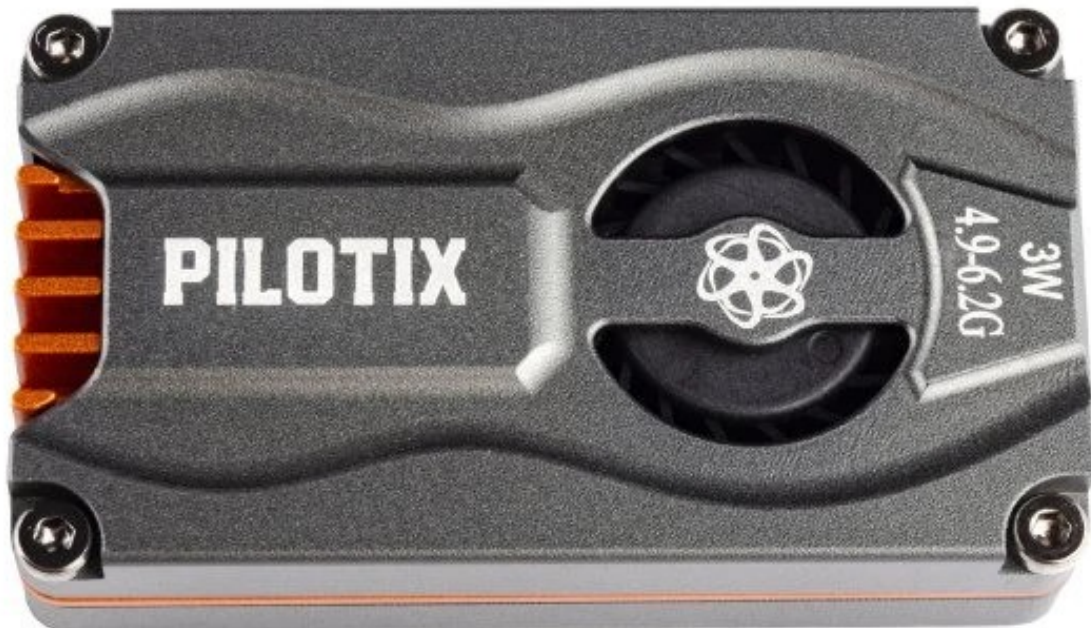


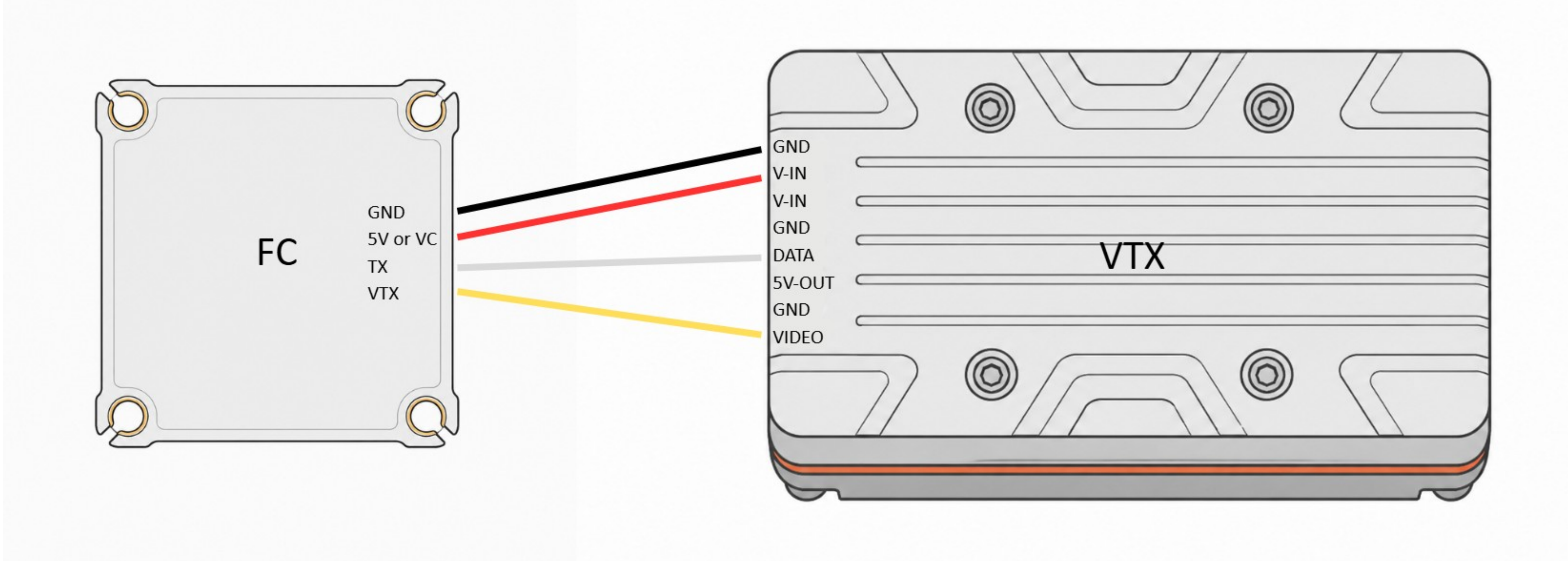


FPV video transmitter operating in the 4.9-6.2 GHz frequency range with selectable output power levels of 25mW, 1W, 2W, and 3W. Features 64 channels across A, B, E, F, R, L, X, and Y bands with TBS SmartAudio protocol support. Accepts input voltage from 7-36V (2-6S) and supports both PAL and NTSC video formats. Equipped with MMCX antenna interface, 50Ω RF impedance, and 75Ω video input impedance. Includes built-in fan cooling, three-color status indicator, and two control buttons. Utilizes 20×20mm M2 mounting pattern with dimensions of 53×29.5×14.7mm and weight of 31g. Operates in temperatures from -20°C to 40°C.

Product details	
Model	R3000 (4.9-6.2G 3W)
SKU	5226
Electrical specification	
Antenna interface	MMCX
Channels	64 CH
Frequency range	4.9 GHz - 6.2 GHz
Input voltage	7 - 36 V (2S - 6S)
Output power	≤ 3 W
Power levels	25mW, 1W, 2W, 3W
Protocol	TBS SmartAudio
RF impedance	50 Ω
Supported bands	A, B, E, F, R, L, X, Y
Video format	PAL, NTSC
Video input impedance	75 Ω
Mechanical specifications	
Buttons	2
Cooling	Built-in fan
Indications	Three color light

Mounting	20 x 20 mm (M2)
Dimension	53 x 29.5 x 14.7 mm
Weight	31 g
Operating conditions	
Humidity range	20-95% RH (non-condensing)
Operating temperature	-20 - 40 °C
Storage temperature	-30 - 50 °C
Common	
Package contents	1 x JST SH 1.0mm 8-Pin, 1 x Pigtail
Warranty	2 years

Wiring diagram



VTX table

FR/CH	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
A	5865	5845	5825	5805	5785	5765	5745	5725
B	5733	5752	5771	5790	5809	5828	5847	5866
E	5705	5685	5665	5645	5885	5905	5925	5945
F	5740	5760	5780	5800	5820	5840	5860	5880
R	5658	5695	5732	5769	5806	5843	5880	5917
L	5362	5399	5436	5473	5510	5547	5584	5621
X	4990	5020	5050	5080	5110	5140	5170	5200
Y*	6002	6028	6054	6080	6106	6132	6158	6184