PRODUCT OVERVIEW

XFVTX3 Video Transmitter

4.9 - 5.8 GHz · 3 W · Five Power Levels · Tramp Serial Control

The XFVTX3 is a 3 W mini video transmitter covering 4.9 - 5.8 GHz with 40 channels across seven bands - including the 4.9 GHz X band and low-band L for crowded race venues. Five power levels from 25 mW to 3.0 W are set with one button or over the Tramp serial line, and a long press drops the unit into PIT mode for safe power-up next to other pilots.



Key Features

- **3 W maximum output** - five levels: 25 mW / 400 mW / 600 mW / 1.6 W / 3.0 W.
- **40 channels, 7 bands** - A / B / E / F / R / L / X covering 4990 - 5945 MHz.
- **Tramp serial control** - set band, channel and power from the flight controller on the DATA line.
- **PIT mode** - long press 2 s for safe power-up; LED stays solid to confirm.
- **One-button operation** - green LED shows power level, red the band, blue the channel.
- **Integrated pigtail** - 5 leads: DC-IN, GND, DATA (Tramp), VIDEO, GND.

3 W	40 CH	5 LEVELS	PIT MODE
MAXIMUM OUTPUT POWER	7 BANDS · 4.9 - 5.8 GHZ	25 mW UP TO 3.0 W	SAFE POWER-UP MODE

Button Operation

Power Button

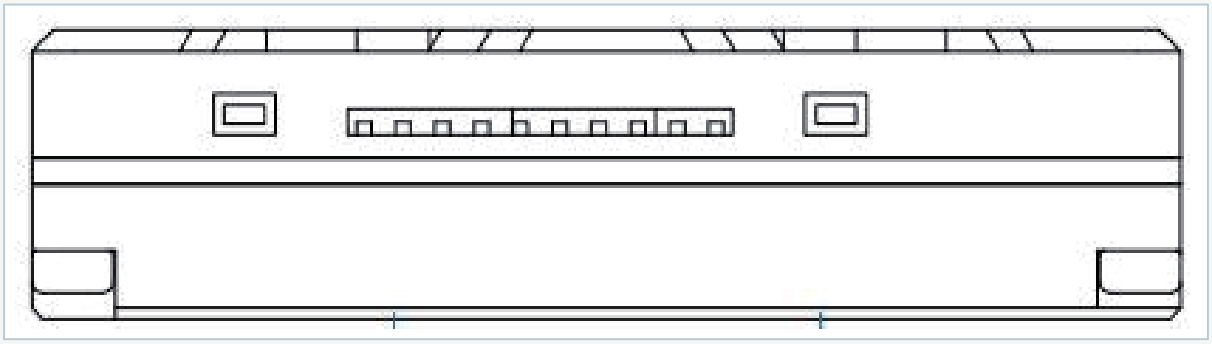
GREEN LED

Short press to cycle the power level. The green LED blinks to show the current level: 1 blink = 25 mW, 2 = 400 mW, 3 = 600 mW, 4 = 1.6 W, 5 = 3.0 W. Long press 2 s to switch to PIT mode - the LED stays on to indicate PIT.

Band / CH Button

RED + BLUE LED

Red LED = band: long press 2 s to switch band; 1 blink = A, 2 = B, 3 = E, 4 = F, 5 = R, 6 = L, 7 = X. Blue LED = channel: short press to cycle CH1 - CH8.



On-screen menu - BAND / CH / POWER.

Power Levels

Green LED Blinks	Level	Output Power
1 blink	Level 1	25 mW
2 blinks	Level 2	400 mW
3 blinks	Level 3	600 mW
4 blinks	Level 4	1.6 W
5 blinks	Level 5	3.0 W

Power levels 1-5 selected by short press or Tramp command. 3.0 W level: 12 V input, 1300 mA.

Wiring Definition

The XFVTX3 breaks out power, Tramp serial control and video on a five-lead pigtail (left to right as shown on the product photo):

Wire	DC-IN	GND	DATA (Tramp)	VIDEO	GND
Colour					

Wire colours per supplied pigtail: red, black, yellow, green, white. DATA connects to the flight-controller UART for Tramp control; VIDEO carries the camera CVBS signal.

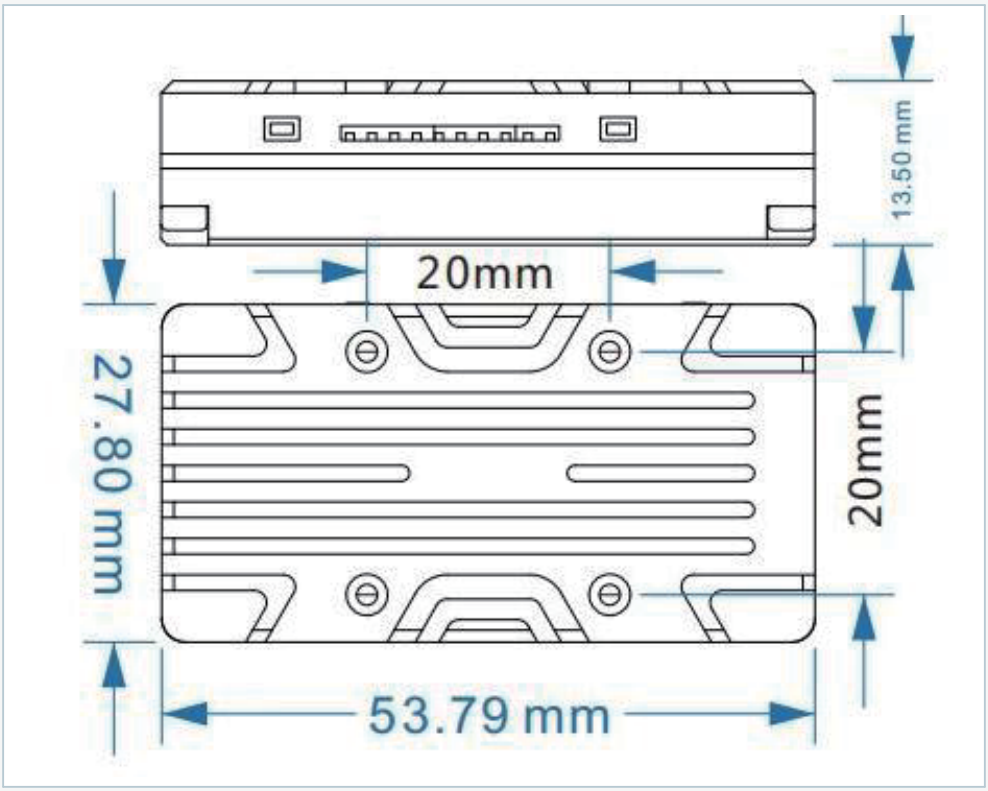
Frequency List

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

Frequencies in MHz. Raceband (R), low band (L) and the 4.9 GHz X band extend coverage from 4990 to 5945 MHz.

Band selection follows the red LED blink count (1 - 7 = A, B, E, F, R, L, X); channel follows the blue LED with CH1 - CH8 cycling on short press. Band and channel can also be set over Tramp.

Dimensions



Board outline and mounting holes - all dimensions in millimetres.

Ordering Information

Model	Frequency	Power Levels	Control	Pigtail
XFVTX3	4.9 - 5.8 GHz, 40 CH, 7 bands	25 mW - 3.0 W (5 levels)	Buttons + Tramp serial	5 leads (see wiring)

Contact our sales team for connector, pigtail length and firmware configurations.

Contact

WEBSITE	**www.xtraflysystems.com**
E-MAIL	**sales@xtraflysystems.com**
DOCUMENT	XFVTX3 3 W Video Transmitter - Product Datasheet Rev 1.0