

## TX04 FPV Video Camera with 40-Channel Transmitter

The TX04 is a small, lightweight video camera with an integrated 40-channel 5.8GHz video transmitter which is compatible with most 5.8GHz FPV goggles. It is ideal for use on micro-drones or small robots.

### Specification

Frequency	5.8GHz
Channels	40
Transmitting Power	25mW
Input Voltage	2.5V - 5.5V
Current	255 - 365mA
Definition	1000TVL M7 Lens
Lens	120° FOV, H170°
Video System	PAL
Dimensions (mm)	17.5 x 17 x 14
Weight	4g

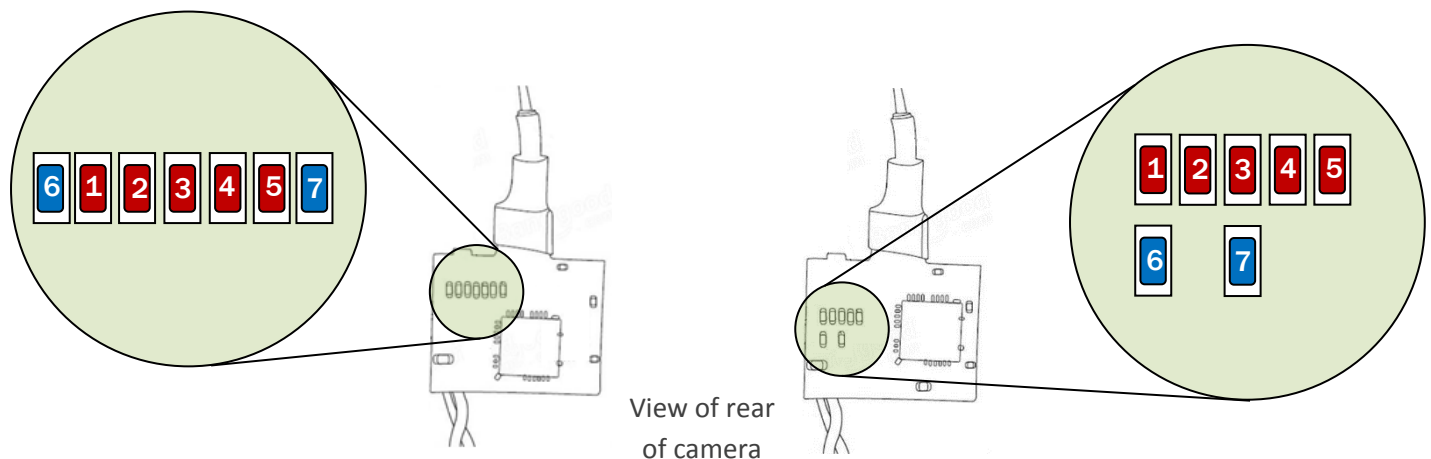


### Operating Frequency Table (GHz)

BAND\CH	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
<b>Band 1</b>	5.865	5.845	5.825	5.805	5.785	5.765	5.745	5.725
<b>Band 2</b>	5.733	5.752	5.771	5.790	5.809	5.828	5.847	5.866
<b>Band 3</b>	5.705	5.685	5.665	5.645	5.885	5.905	5.925	5.945
<b>Band 4</b>	5.740	5.760	5.780	5.800	5.820	5.840	5.860	5.880
<b>Band 5 (RaceBand)</b>	5.658	5.695	5.732	5.769	5.806	5.843	5.880	5.917

### Switching Bands, Channels, and Power Output

All the functions on the TX04 are controlled via a single push button. On the rear of the camera, there are 5 red LEDs which indicate the band and 2 blue LEDs which indicate the channel. Please note there are two possible layouts of these LEDs but the functionality is identical:



See tables below for how to read the band and channel LEDs

### Switching channel

A short press of the button changes the channel which is indicated using the blue LEDs (6 and 7). The below table shows how these LEDs indicate which channel is selected.

Channel	LED 6 status	LED 7 Status
CH1	On	
CH2	Flash 2 times	
CH3	Flash 3 times	
CH4	Flash 4 times	
CH5		On
CH6		Flash 6 times
CH7		Flash 7 times
CH8		Flash 8 times

### Switching Band

Press and hold the button for 2 second or longer, then release to change band. The band is indicated by the 5 red LEDs (1 to 5). LED1 indicates Band 1, LED2 indicates Band 2 etc.

### Examples

- LED2 (red) is on and LED6 (blue) flashes 2 times = Band 2, CH2 (5.752GHz)
- LED4 (red) is on and LED7 (blue) is on permanently = Band 4, CH5 (5.820GHz)

When flying FPV with more than one drone in the sky at once, you should try to operate on frequencies as far from each other as possible. The RaceBand (Band 5) is designed to offer the widest split between channels.

For example:

- 2 drones in the air at once - use RaceBand CH1 and RaceBand CH8 as these two channels have frequencies that are as far from each other as possible.
- 3 drones in the air at once - use RaceBand CH1 , RaceBand CH4 and RaceBand CH8 as these three channels have frequencies that are as far from each other as possible.