3.3GHz 6W VTX Video Transmitter

MODEL: AL3306



Features

- Designed for long-range flights, up to 6W transmitting power, and provide multi-level adjustment.
- Efficient PA and power calibration to ensure power consistency across all channels.
- Customized digital PLL circuit, chip level integration, no frequency drift.
- Aluminum alloy three-layer shell structure and large centrifugal fan provide sufficient heat dissipation to ensure stable output of transmitting power.

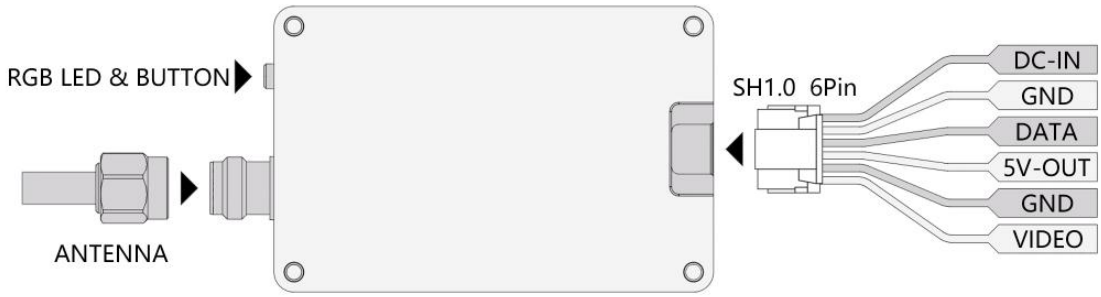
General Characteristics

Frequency band	3060-3495MHz	Frequency precision	±200KHz (Typ.)
Channel	64 CH	Output power	PIT/25mW/200mW/1W/6W
Modulation type	FM	Power Supply	DC 7-30V (2-8S)
Frequency control	PLL	Video input level	1V±0.2Vp-p (typ.)
Control Protocol	IRC Tramp	S/N(For ±3MHz)	>55dBc
Antenna	SMA 50 Ohms	Operating Temperature	-10℃~+70℃
Dimension	44*28.6*14.7mm	Weight	25.3g

Frequency table

	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
BAND C	3330	3350	3370	3390	3410	3430	3450	3470
BAND d	3170	3190	3210	3230	3250	3270	3290	3310

Wiring and Operation



Attention

Antenna must be connected before use! Otherwise there is a risk of damage to the product.

The product needs to be mounted reliably, avoiding vibration and high temperatures.

The product has a built-in power filter, but still need to avoid excessive power supply interference.

Settings

Controlled using a single button, the button integrates RGB lighting, **blue for band**, **red for channel**, and **green for power level**.

When there is no operation, the RGB LED blinks cyclically, the number of times the RGB blinks
represents the current VTX status (when the green LED is **always on**, the VTX enters PITMODE).

Long press the button to enter VTX setting, at this time the RGB lights are lit alternately, release the button under the corresponding color light to enter the corresponding function setting. At this time, **short press** the button to adjust the value.
For setup via the flight controller, connect the DATA pin and use the IRC Trump protocol.