



HYPERION MINI CAMERA 25MW VTX - WHIP ANTENNA



The Hyperion Mini Camera with built in 5.8 GHz, 48 Channels and 25mw VTX is specially built on Hyperion's extensive knowledge of FPV racing and capability to produce a mini RF power VTX. This transmitter features 48 channels with LEDs for display of channels, selection via touch switch. The lower 25mW transmission power means that more people can fly together in smaller space. This VTX is compatible with most brands of equipment and has guaranteed compatibility with all of the ImmersionRC and Fatshark receivers.

Its ultra-small form factor of 12.2x14.5mm makes it perfect for micro size racing quads.

Features:

- Touch switch for up to 48 channel selection
- 25mW Output
- Supports touch switch for select frequency group
- Supports NTSC/PAL with vertical inverted image switch
- 6 LEDS for Frequency group status information
- 8 LEDS for channel status information
- 1 LED display for PAL/NTSC and FLIP information
- Wide angle lens
- Whip Antenna.
- Miniature and light weight design

Specifications:

- Frequency band: 5362~5945MHz
- Channels: 48
- Modulation type: FM
- Channel SEL: Touch Switch (Channel Indicate) CH1~CH8 indication with 8 LEDS and A~F frequency group with 6 LEDS indication.
- Transmit power: 13 ± 1 dBm
- Frequency control: PLL
- All harmonic: Max-50dBm
- Frequency Stability: ± 100 KHz(Typ.)
- Frequency precision: ± 200 KHz(Typ.)
- Channel Carrier error: 1dB
- Antenna Port: 50Ohm
- Input format: NTSC/PAL
- SENSOR PAL: 720X540/NTSC:640X4801/4"
- LENS ANGLE: 120°/V:100°
- Base-band interface: P1.27*2)
- Power consumption: 200~215MA @5VDC IN
- Supply Voltage: 2.9-5.5v
- Operating Temperature: -10°C~+60°C
- Dimension (Without Antenna): 19 x 15 x 16mm
- Dimension (With Antenna): 19 x 15 x 47.5mm
- Weight: 3.7g

**Warning: Please use only regulated 5V power for input.
Do not plug to 12V DC source.**

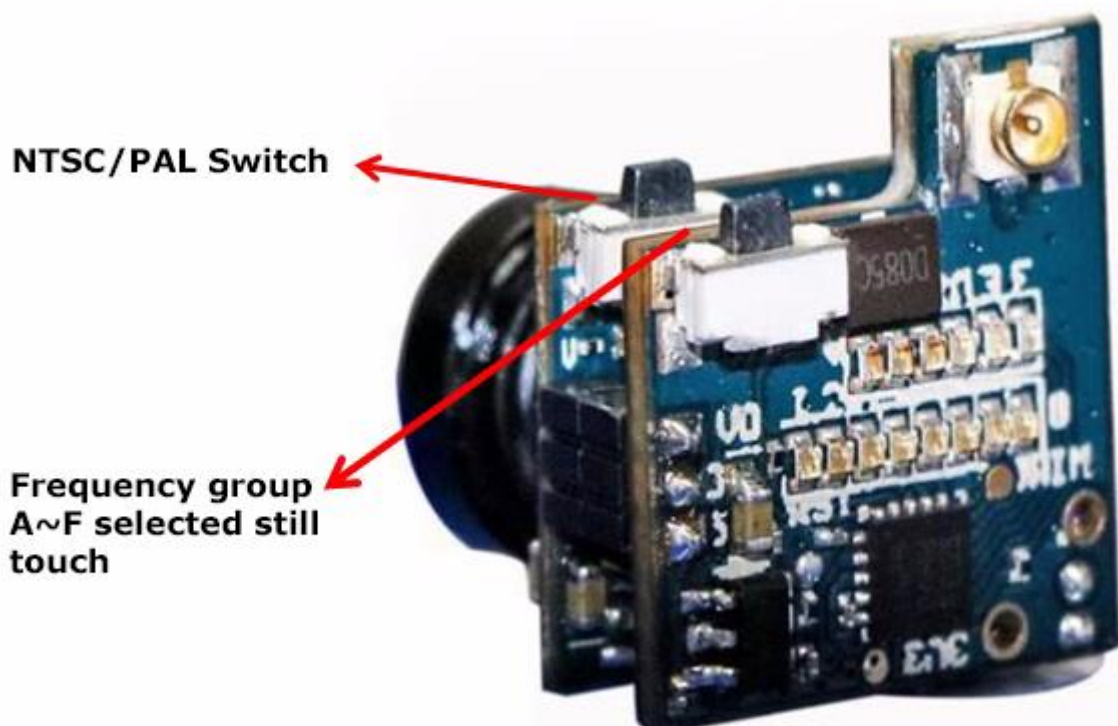
Frequency Chart

Freq	Ch 1	Ch 2	Ch 3	Ch 4	Ch 5	Ch 6	Ch 7	Ch 8
A	5740MHz	5760MHz	5780MHz	5800MHz	5820MHz	5840MHz	5860MHz	5880MHz
B	5705MHz	5685MHz	5665MHz	5645MHz	5885MHz	5905MHz	5925MHz	5945MHz
C	5865MHz	5845MHz	5825MHz	5805MHz	5785MHz	5765MHz	5745MHz	5725MHz
D	5658MHz	5695MHz	5732MHz	5769MHz	5806MHz	5843MHz	5880MHz	5917MHz
E	5733MHz	5752MHz	5771MHz	5790MHz	5809MHz	5828MHz	5847MHz	5866MHz
F	5362MHz	5399MHz	5436MHz	5473MHz	5510MHz	5547MHz	5584MHz	5621MHz

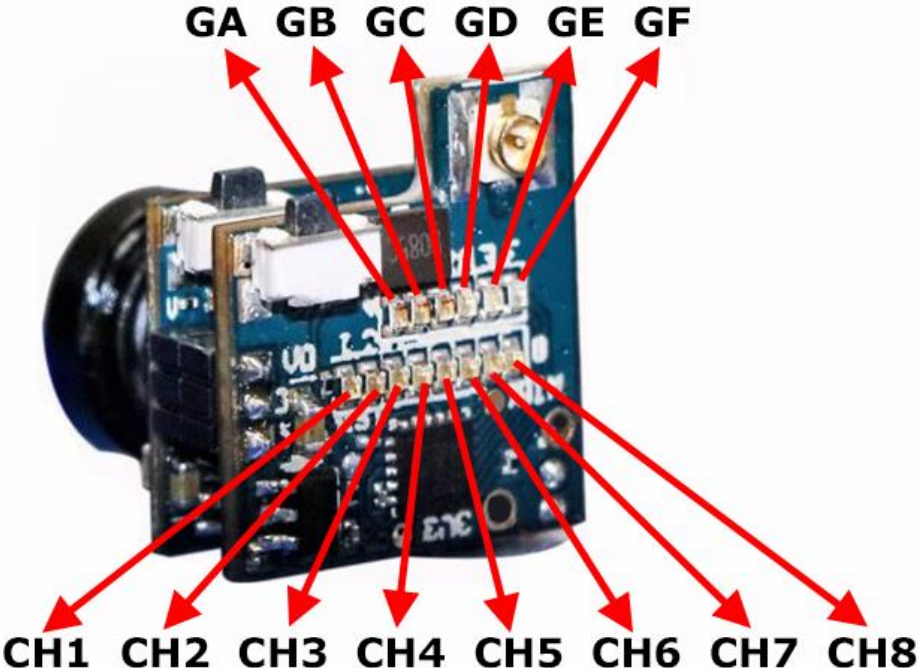
Switch Functions

NTSC to PAL – Long Press 2 sec.

Frequency /Channel – Long press 2 sec to change Band and short press 1 sec to change frequency



Picture below shows Frequency and Channel indicating LED's



Picture below shows Antenna and Power connections

