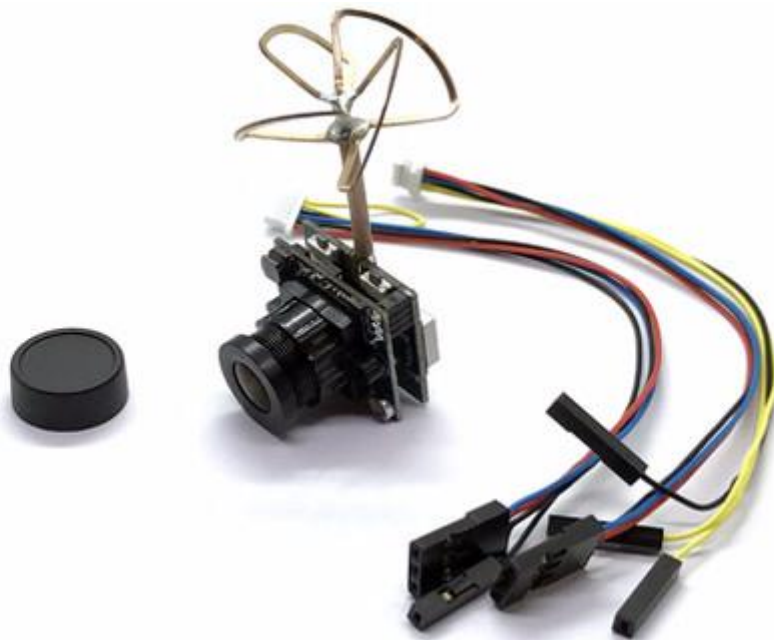




HYPERION MINI CAMERA WITH 25MW/150MW SELECTABLE VTX



The Hyperion Mini Camera with built in 5.8 GHz, 40 Channels and adjustable RF Power 25mw / 150mw is specially built on Hyperion's knowledge of FPV racing and capability to produce a selectable mini RF power VTX . This transmitter features switch selectable frequency and Miniature digital tube display for alternate channel selection and to adjust the transmission power from 25mW to 150mw for long range. The Mini Cam has 40 channels and now includes the new Race band frequencies. This is compatible with most brands of equipment and has guaranteed compatibility with all of the ImmersionRC and Fatshark receivers.

The Mini Cam also features PWM interface for changing frequencies at the touch a button from your favorite radio. It also supports OSD and comes with a wide angle lens. Its miniature design and ultra-low weight makes it perfect for miniature size racing quads.

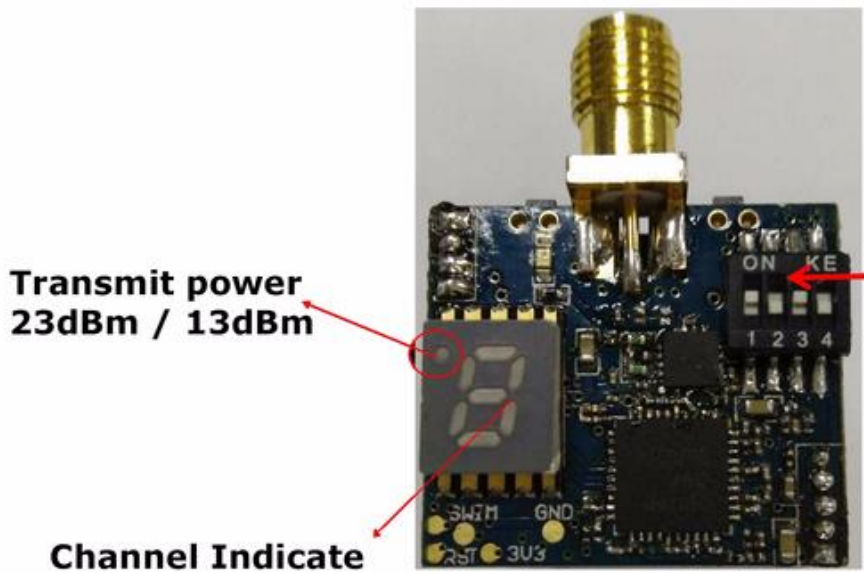
Features:

- Supports touch switch and PWM interface to switch & select channels
- 25mW/150mw Selectable with digital tube dot display
- Supports touch switch to select frequency group
- Supports NTSC/PAL and vertical inverted image and horizontal mirror image selection through DIP switch
- TX RF output power enable/disable function
- MIC output enable/disable function
- Miniature digital tube display for alternately channel status information
- Support for OSD with external video in/out
- Wide angle lens
- Wide Power input: 4.7~26V
- Miniature and light weight design

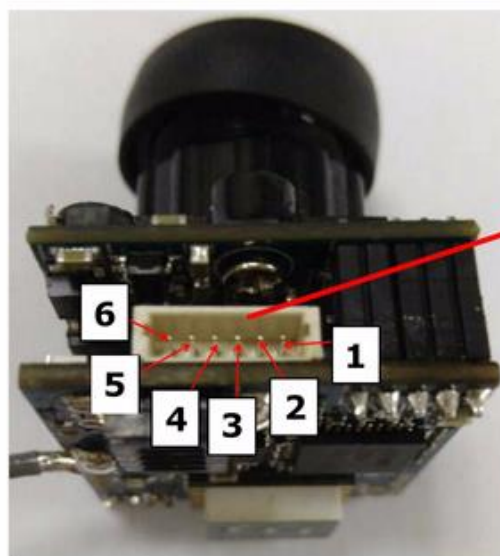
Specifications:

- Frequency band: 5645~5945MHz
- Channels: 40
- Modulation type: FM
- Channel SEL: Touch Switch/PWM
- Channel Indication: ABCDE (Channel group and channel alternate display, touch button channel+1 and frequency group A/B/C/D/E+1 switch needs touch button until 2Sec
- Transmit power: 13±1dBm & 23±1dBm
- Frequency control: PLL
- All harmonic: Max-50dBm
- Frequency Stability: ±100KHz(Typ.)
- Frequency precision: ±200KHz(Typ.)
- Channel Carrier error: 1dB
- Antenna Port: 50 Ohm
- Input format: NTSC/PAL
- SENSOR PAL: 960x576@1/3"
- Effective pixel: 976x592
- MAX. Frame Rate: NTSC-60fied/sec, PAL-50fied/sec
- LENS ANGLE: H:110°/V:68°
- MIC Enable/disable DIPSW
- NTSC/PAL FLIP MIRROR Operation: DIPSW on TX
- RF enable disable operation: Touch SW.
- Base-band interface: 5 pin header +P2.54x3+P2.54x3
- Power Consumption: Max100MA@12V DCIN
- Supply Voltage: 4.8V-26V
- Operating Temperature: -10°C~+60°C
- Dimension (Without Antenna): 26 x 23 x 20mm
- Dimension (With Antenna): 26 x 23 x 52mm
- Weight: 10g

Switch Functions – Frequency select Long press 2sec and channel select short press 1 sec



J1 Pin No.	Function
1	Audio
2	N/P
3	MIRROR
4	FLIP



J1 Pin No.	Function
1	VIDEO IN
2	VIDEO OUT
3	GND
4	PWM
5	GND
6	VCC 4.8-26V

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