

## Micro 20x20mm VTX-OSD 5.8G Mini FPV Transmitter Integrated OSD

### Description :

Channels : 40

Default Channel: 5705mhz

Frequency Range: 5645-5945mhz

Fully Adjustable Power : 25mW - 200mW (default 25mW)

PID Tuning Capable

Built In Battery Status Monitoring

Integrated Flight Timer System

VTx Channel Configurable via the OSD

Mounting Hole Distance : 20mm x 20mm

Weight: 5g

Work voltage 5V through PIKO flight controller (Suggest 5V BEC if used with other F3 Flight controller)

### Features :

Raceband Ready Frequency Layout

Adjustable power 25mW-200mW

Integrated MWOSD Function

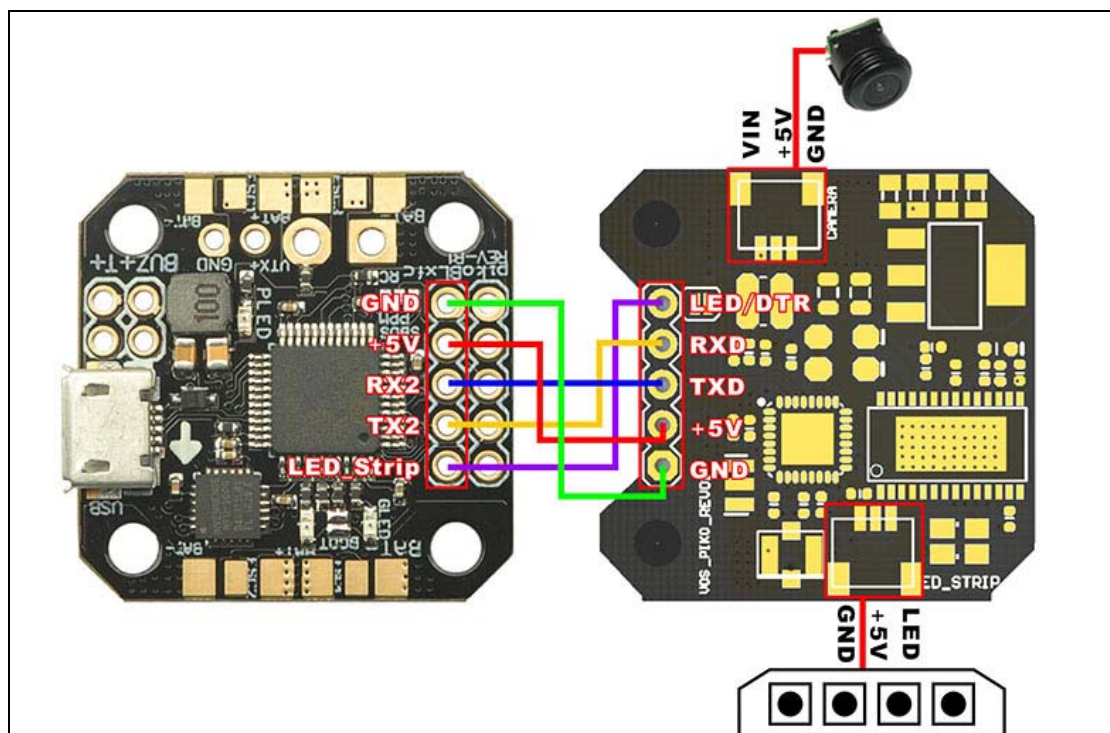
Can use remote control transmitter and OSD to adjust its FPV power and channel

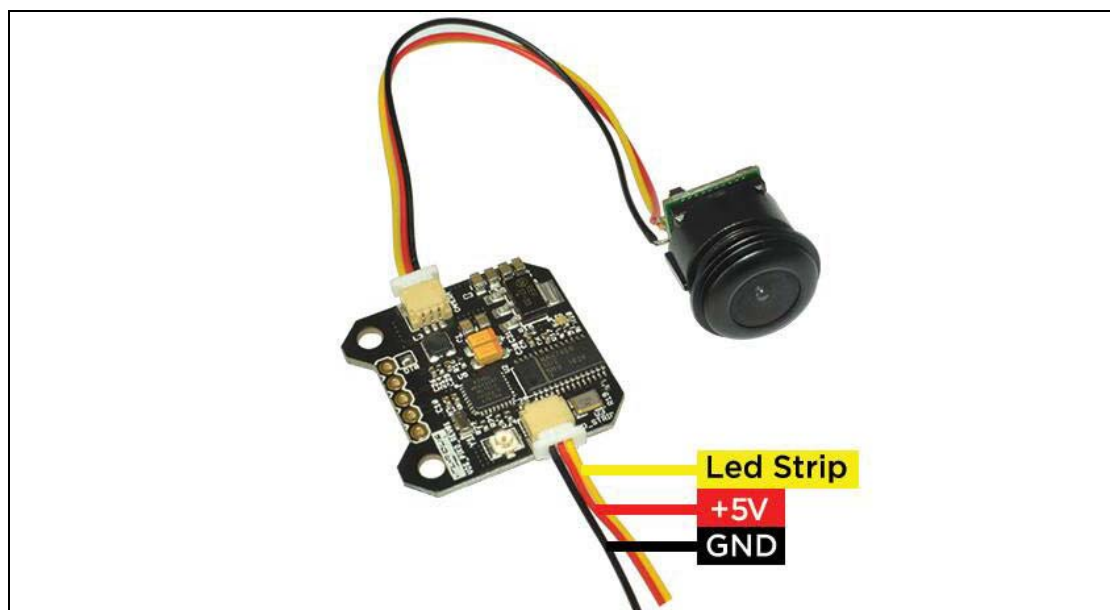
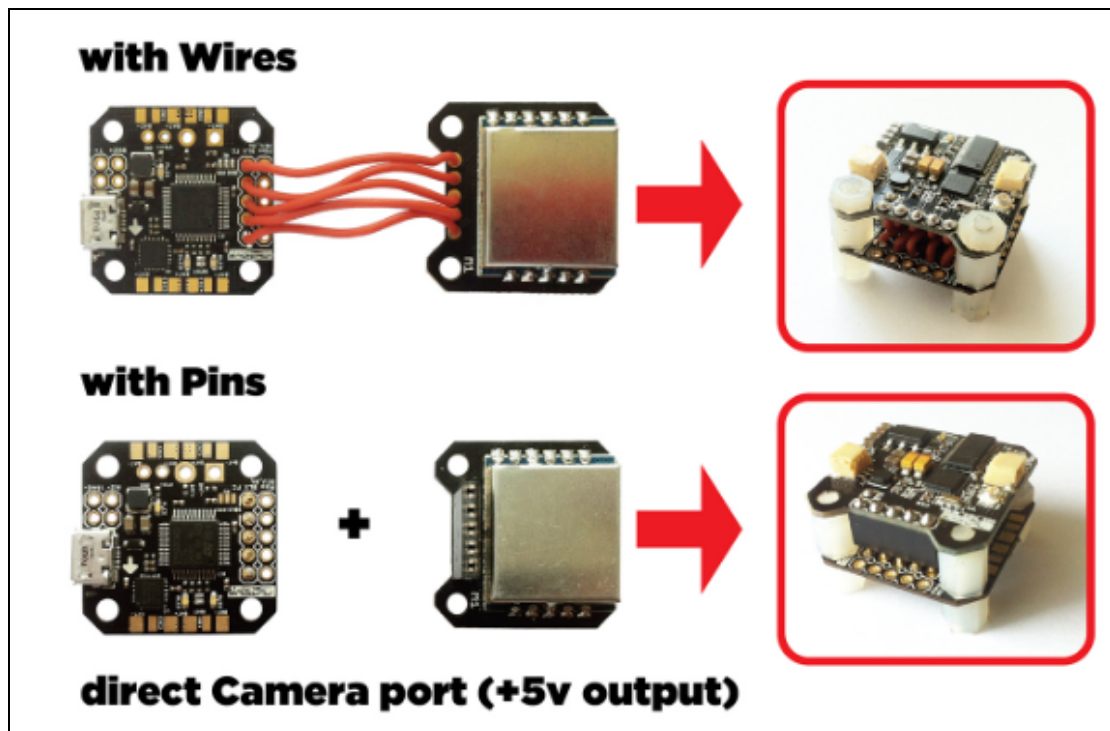
Can use remote control transmitter to adjust the PID.

Specifically Designed for the F3

Suitable for 110-115 Micro Racer

### Pins connection:





**To access the inbuilt OSD menu, with the FC DISARMED:**

- THROTTLE MIDDLE
- YAW RIGHT
- PITCH FULL

To navigate the OSD:

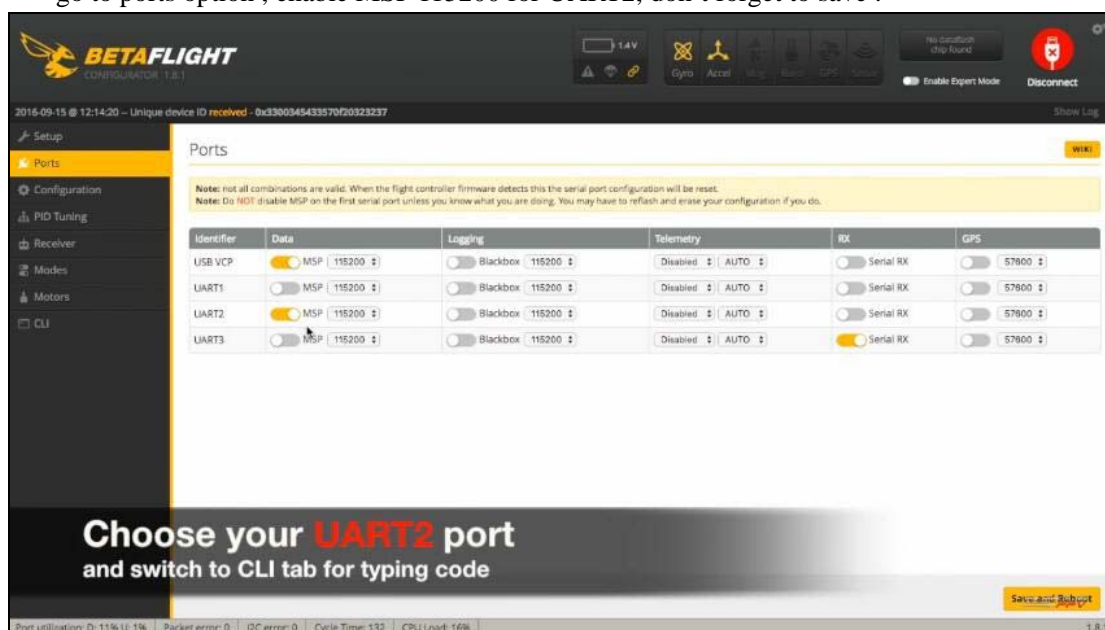
- PITCH/ROLL sticks are used to navigate
- YAW stick is used to adjust / change values

**Setting up video**

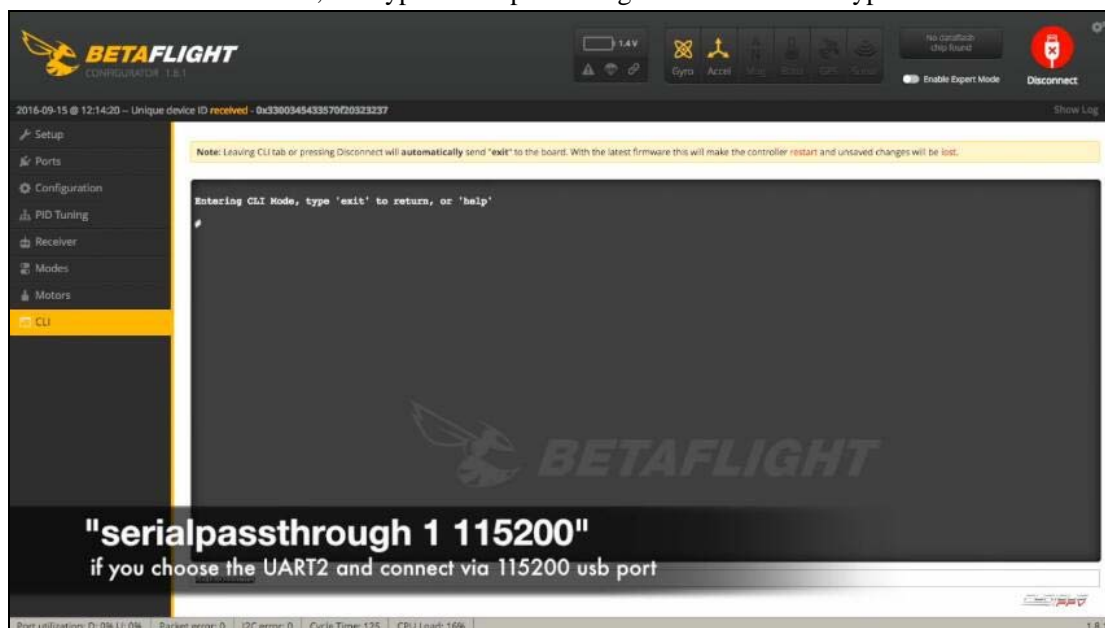
<https://www.youtube.com/watch?v=vsV6VtgHWB4&t=176s>

## MWOSD Pass-through:

1. Connect the Micro VTX-OSD to PIKO or the other F3 Flight controller (LED to LED\_STRIP, RXD to TX2, TXD to RX2, +5v to +5v , GND to GND). Then open Betaflight configurator, go to ports option , enable MSP 115200 for UART2, don't forget to save .



2. Go to CLI Command , and type “Serialpassthrough 1 115200”, and type “save “



3. Close Betaflight configurator and open MWOSD GUI , now you can setup the MWOSD Layout through the flight controller pass-through (Cautions: Passthrough is Only for changing the layout of the OSD, please don't try to uploading the Firmware of MWOSD, otherwise you will lose the VTX power or band chose function). Disconnect the USB and the battery to close the Pass-through