

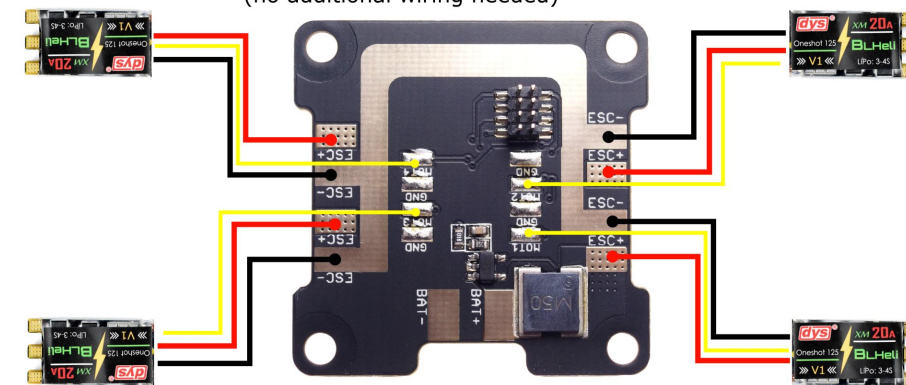
FLYING LEMON

KIWI.F4V2

Specification:

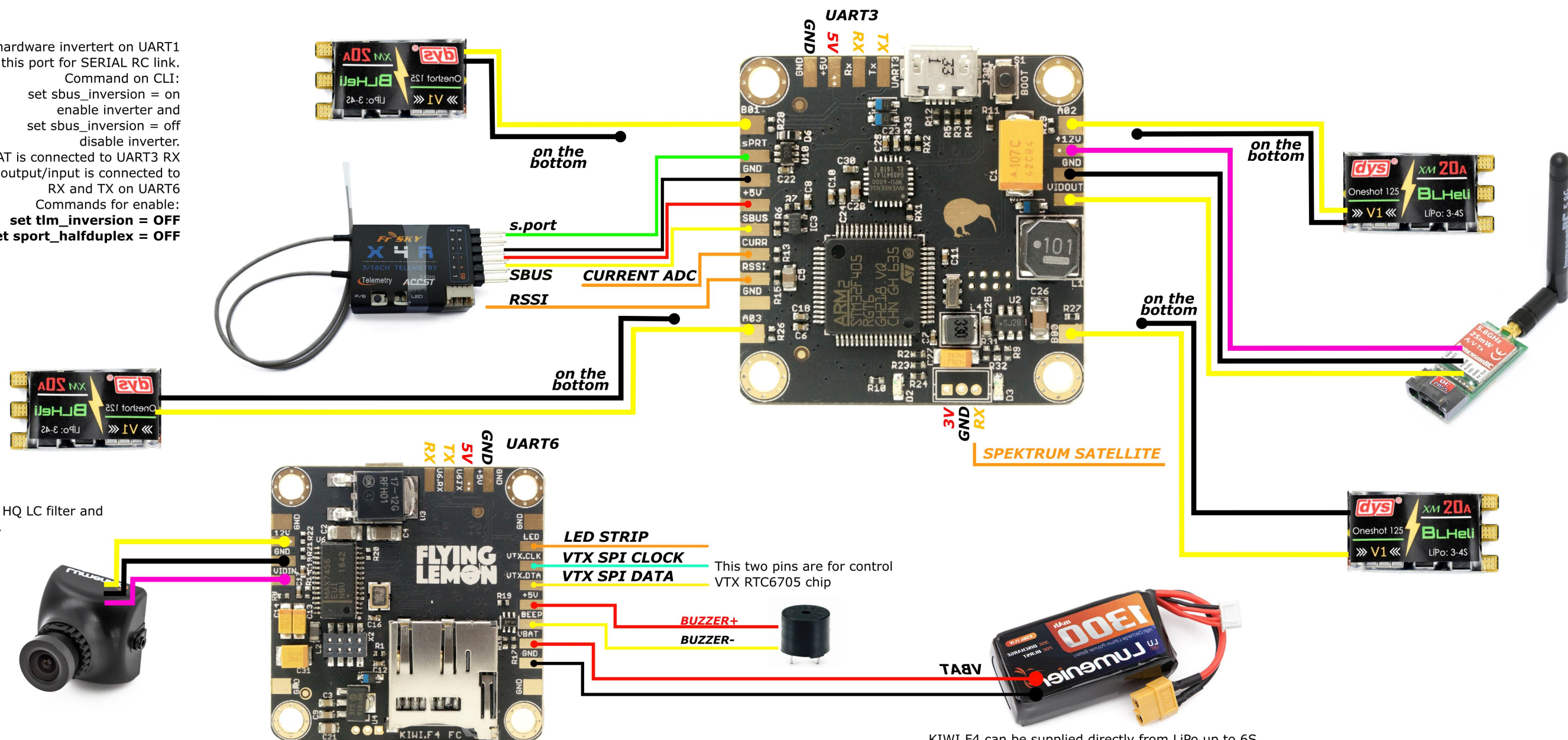
- STM32F405 processor, 170MHz
- low noise, vibration resistant MPU6000 gyro chip on SPI-bus
- compatible with latest Betaflight
- switching step-down 5V and 600mA current output, up to 6S input (not needed external 5V regulator)
- 12V/0.7A linear BEC for video line
- LC filter on video line
- SDCard slot for data logging
- OSD (only for betaflight)
- USB port independent of UART ports
- programmable, hardware SBUS inverter
- dedicated Spektrum Satellite connector with 3.3V output
- buzzer driver
- LED strip output
- VBAT monitor
- RSSI monitor
- current monitor
- BOOT button for simple flashing
- DSHOT600 support
- dedicated PDB with current sensor up to 160A (included!)

KIWI PDB have current sensor up to 160A
Connected to FC through header connector
(no additional wiring needed)



KIWI.F4 have three independent UART port.
USB does not interfere with UART.
Use UART1 to serial RC link (SBUS, DSMX, etc).

KIWI.F4 have hardware invertert on UART1
Use this port for SERIAL RC link.
Command on CLI:
set sbus_inversion = on
enable inverter and
set sbus_inversion = off
disable inverter.
SPEKTRUM SAT is connected to UART3 RX
s.port output/input is connected to
RX and TX on UART6
Commands for enable:
set tlm_inversion = OFF
set sport_halfduplex = OFF



KIWI.F4 have 12V linear BEC with HQ LC filter and
On Screen Display function (OSD).

KIWI.F4 can be supplied directly from LiPo up to 6S.
Set in configurator vbat scale to 57.

