

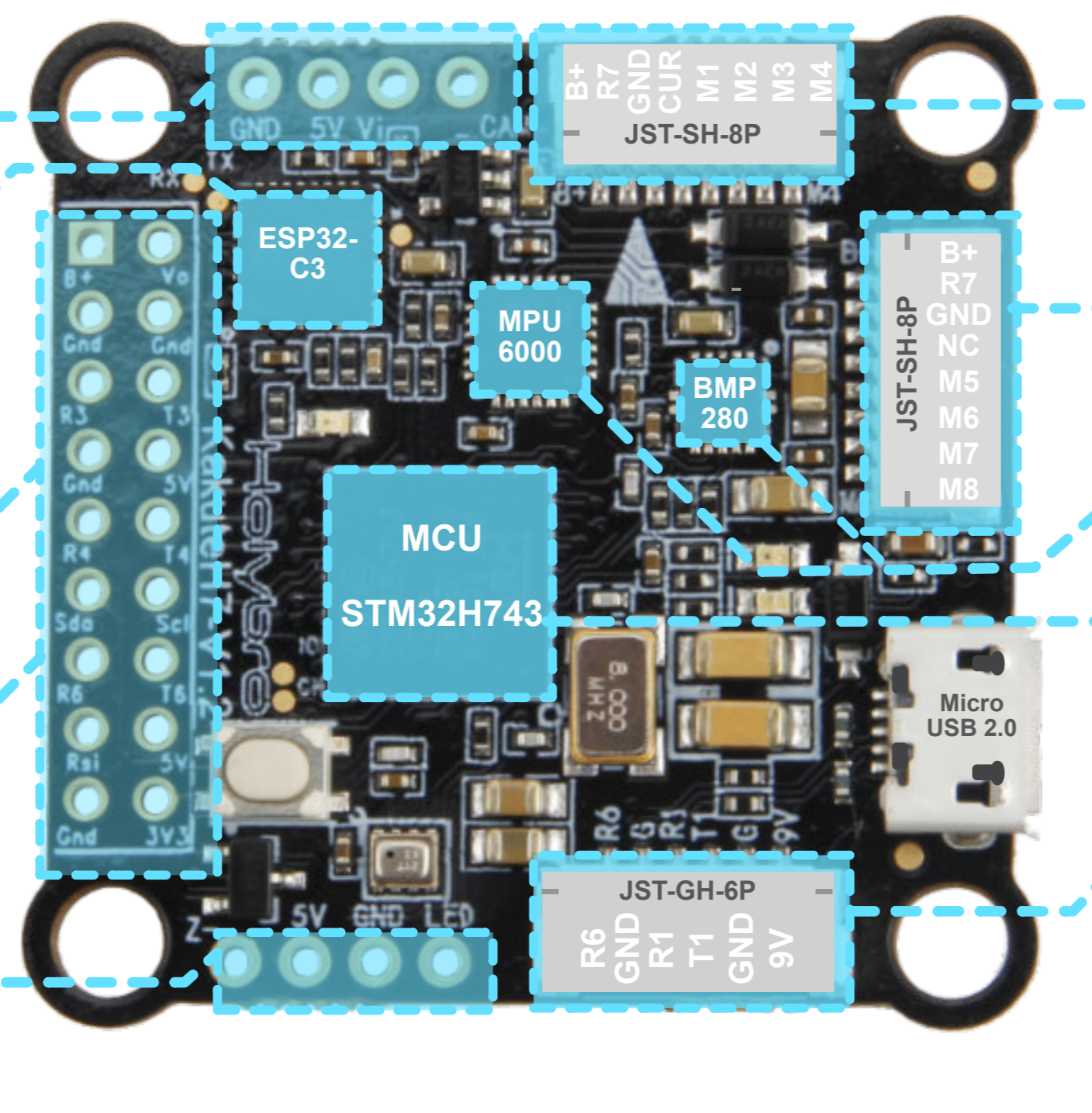
Analog Camera: Power and camera control for analog camera configuration

Bluetooth
Bluetooth MCU, allowing easy wireless Betaflight configuration and tuning via Android & iOS Speedy Bee App

UART
6x UART, UART2 is for Bluetooth telemetry

I2C Port
SDA SCL for external I2C sensors like GPS/compass

LED & BUZZER
RGB LED & Buzzer output



8 Motor Output
With 2 Easy and simple set up for both x4 Quadcopter and x8 Octocopter/Cinelifters
(Note: Adjust Amperage Meter to 84 Scale for x8 Configuration)

IMU: MPU6000
Barometer: BMP280
Ready for autonomous flight

MCU: STM32H7, Faster H7 Processor running at 480 MHz, more than double the speed of F7

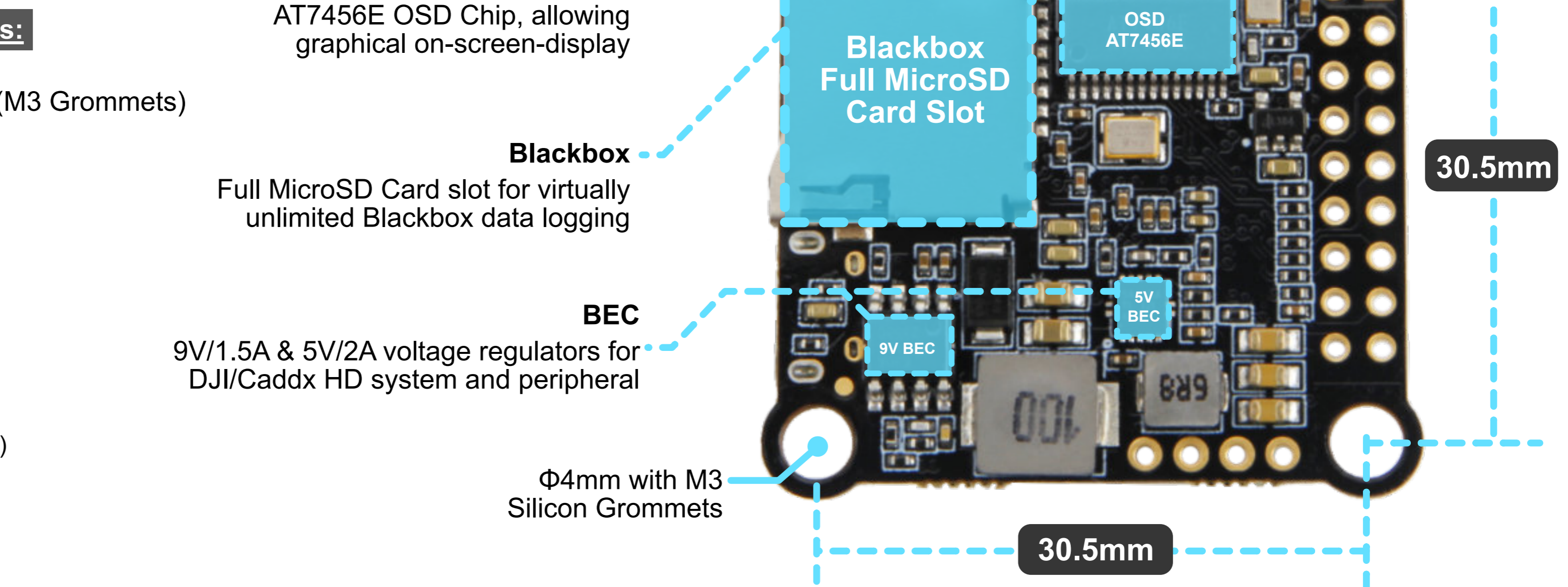
DJI/Caddx HD Connector: For DJI/Caddx HD System, does not require external BEC. (Cable included)

Mechanical and Electrical Specs:

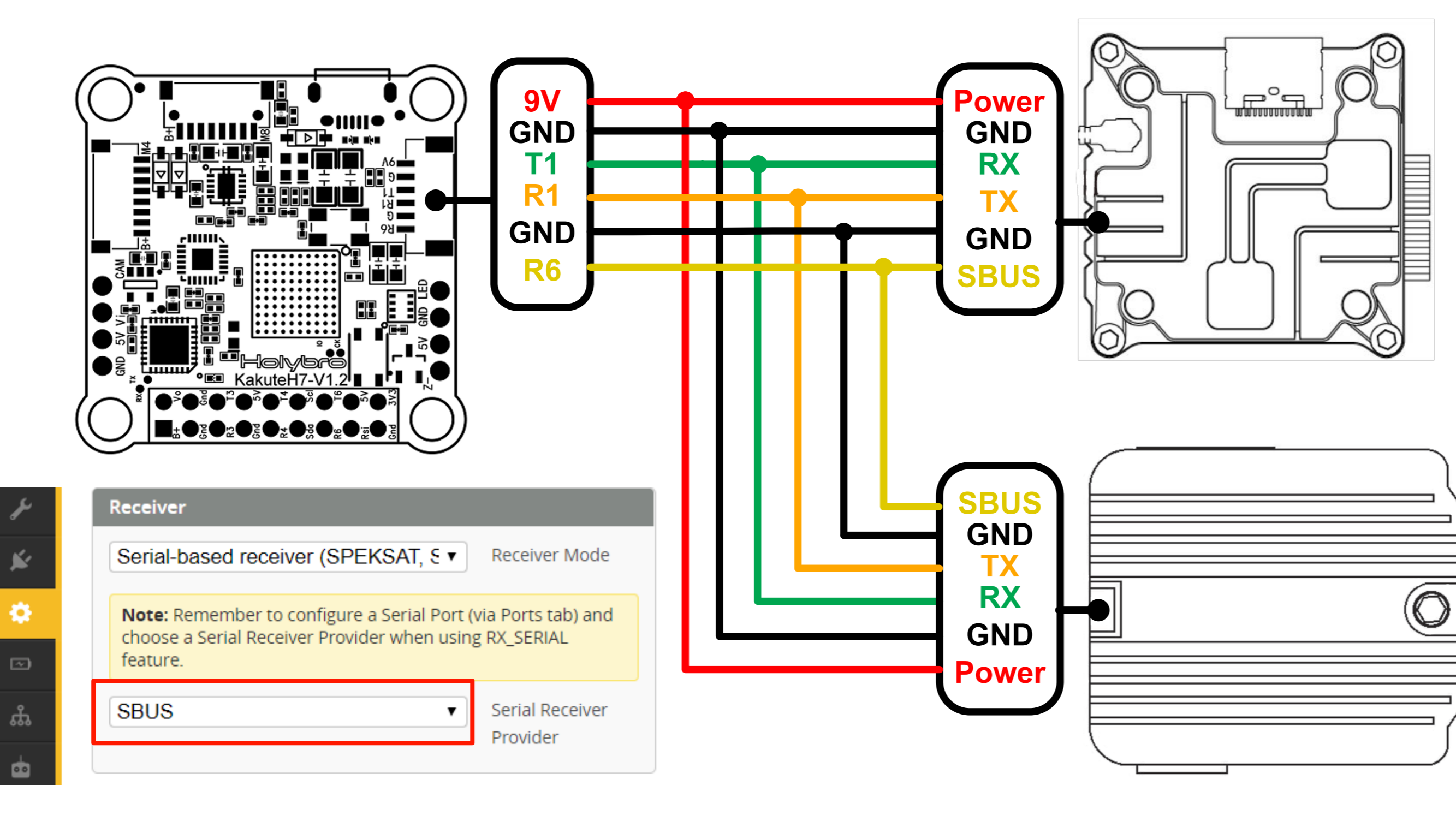
- Input Voltage: 2S - 6S
- Mounting: 30.5 x 30.5/φ4mm (M3 Grommets)
- Size: 37 x 37 x 7.7mm
- Weight: 8g

Default UART Configuration:

UART 1: DJI VTX (MSP On)
UART 2: Bluetooth (MSP ON)
UART 3: Spare/VTX
UART 4: Receiver/GPS
UART 6: Receiver/SBUS (Serial Rx On)
UART 7: ESC



Using DJI/Caddx Digital FPV System with DJI Remote Controller

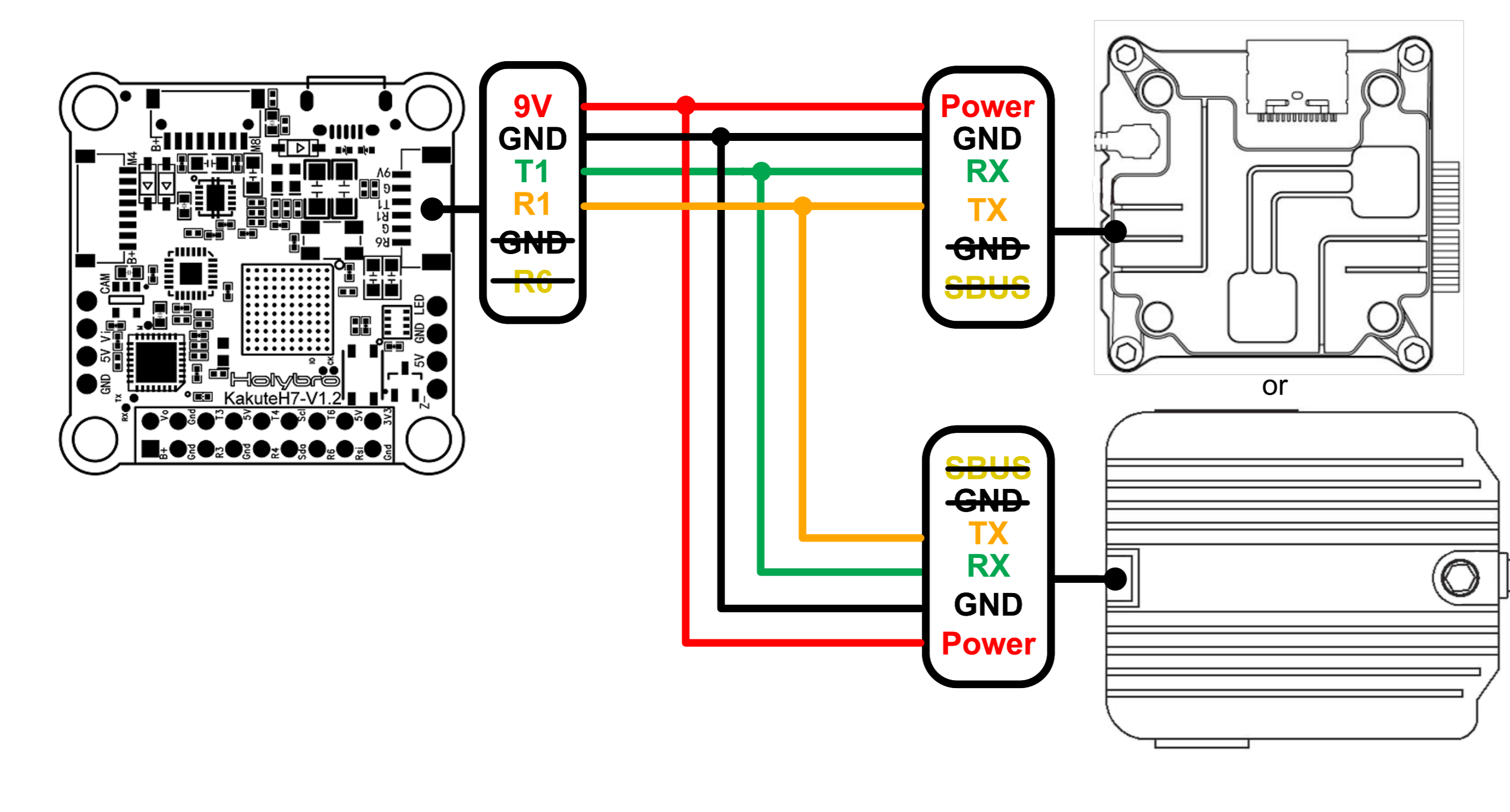


Note:
In order for the flight controller to send OSD information to the Air Unit/Vista, UART1 needs to be set to MSP. If you are using DJI Remote Controller, set Serial Rx on for UART 6.

Ensure your Receiver Protocol is set to SBUS.

Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	
UART2	115200	
UART3	115200	
UART4	115200	
UART6	115200	<input checked="" type="checkbox"/>
UART7	115200	

Installing a Receiver (If you are not using the DJI Remote Controller)



Note:
If you are not using the DJI Remote Controller, do not connect the SBUS and GND wires. (See Diagram on the left)

Follow the diagrams & instructions below to set up your own Receiver.

Identifier	Configuration/MSP	Serial Rx
USB VCP	115200	
UART1	115200	
UART2	115200	
UART3	115200	
UART4	115200	<input checked="" type="checkbox"/>
UART7	115200	

TBS Crossfire or Tracer
Diversity Nano Rx is connected the same way

Receiver

Serial-based receiver (SPEKSAT, €) Receiver Mode

CRSF Serial Receiver Provider

SBUS FrSky R-XSR
Smart Port Telemetry is optional

Receiver

Serial-based receiver (SPEKSAT, €) Receiver Mode

SBUS Serial Receiver Provider

SmartPort | AUTO

F.Port FrSky R-XSR
CLI Command
set serialrx_provider=FPORT
set serialrx_inverted=ON
set serialrx_halfduplex=ON
save

Receiver

Serial-based receiver (SPEKSAT, €) Receiver Mode

FrSky FPort Serial Receiver Provider

DSM

Receiver

Serial-based receiver (SPEKSAT, €) Receiver Mode

SPEKTRUM2048/SRXL Serial Receiver Provider

SBUS SRXL-2 Ghost Atto

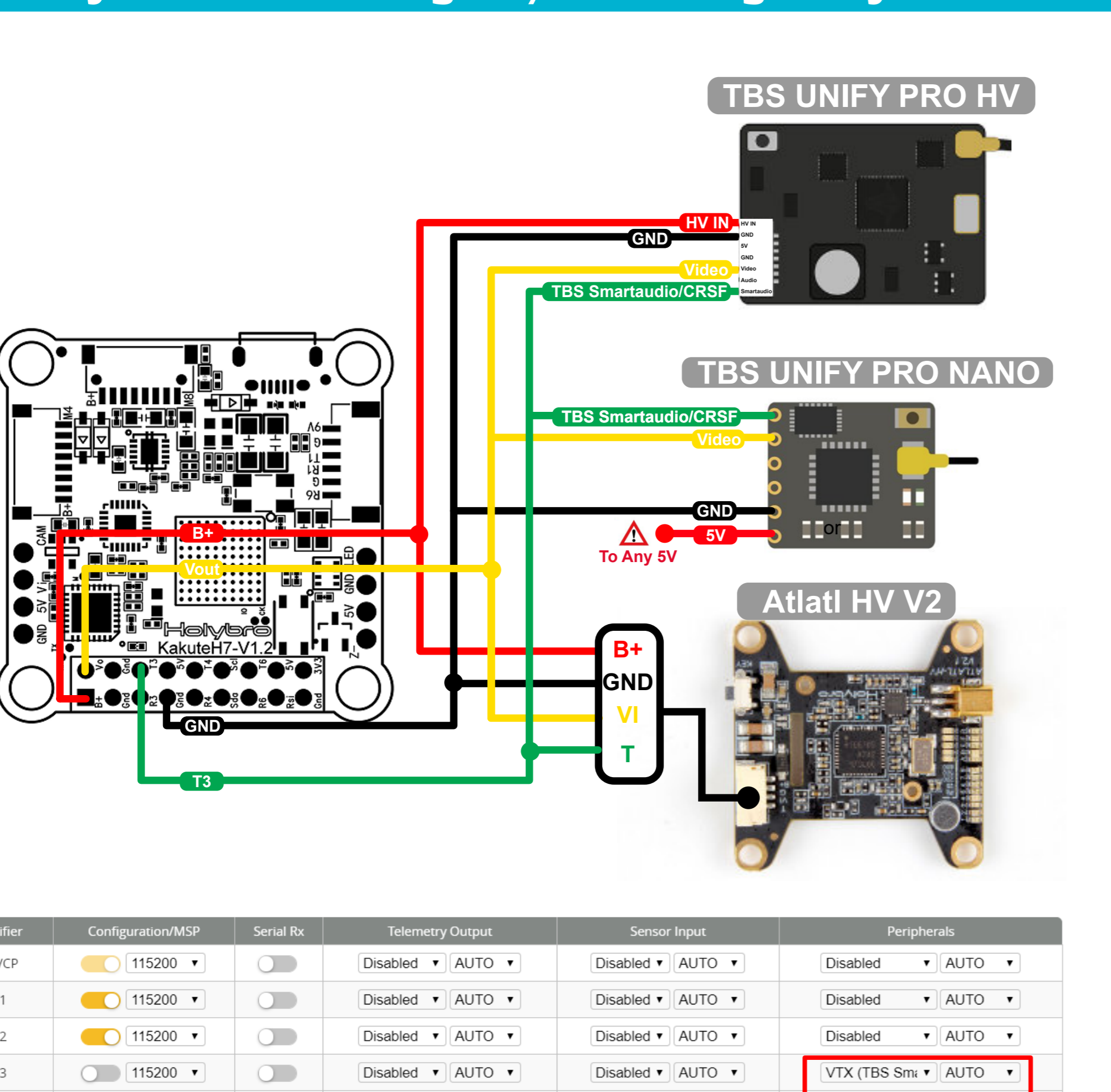
Receiver

Serial-based receiver (SPEKSAT, €) Receiver Mode

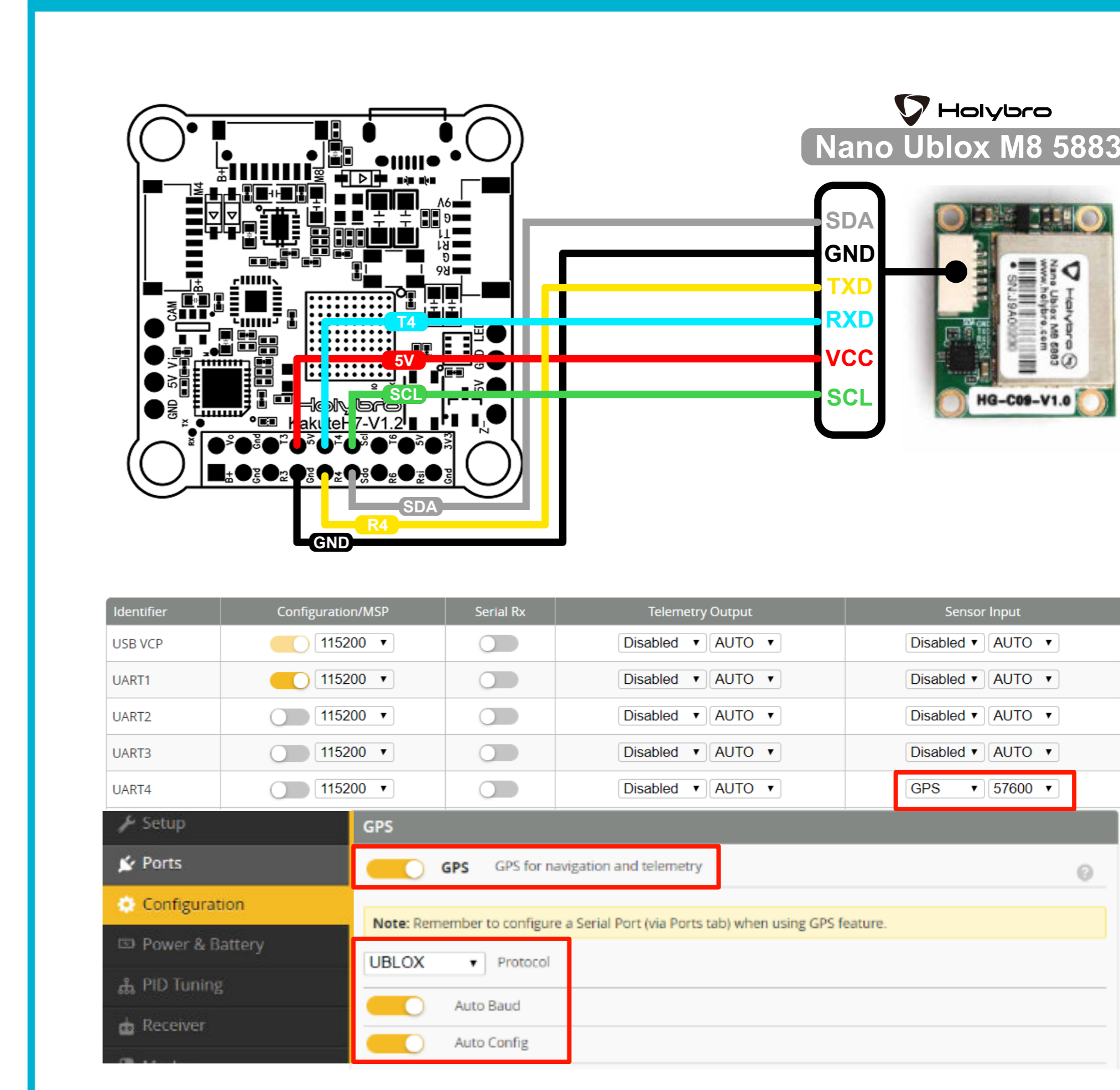
SBUS Serial Receiver Provider

SPEKTRUM SRXL2 Serial Receiver Provider

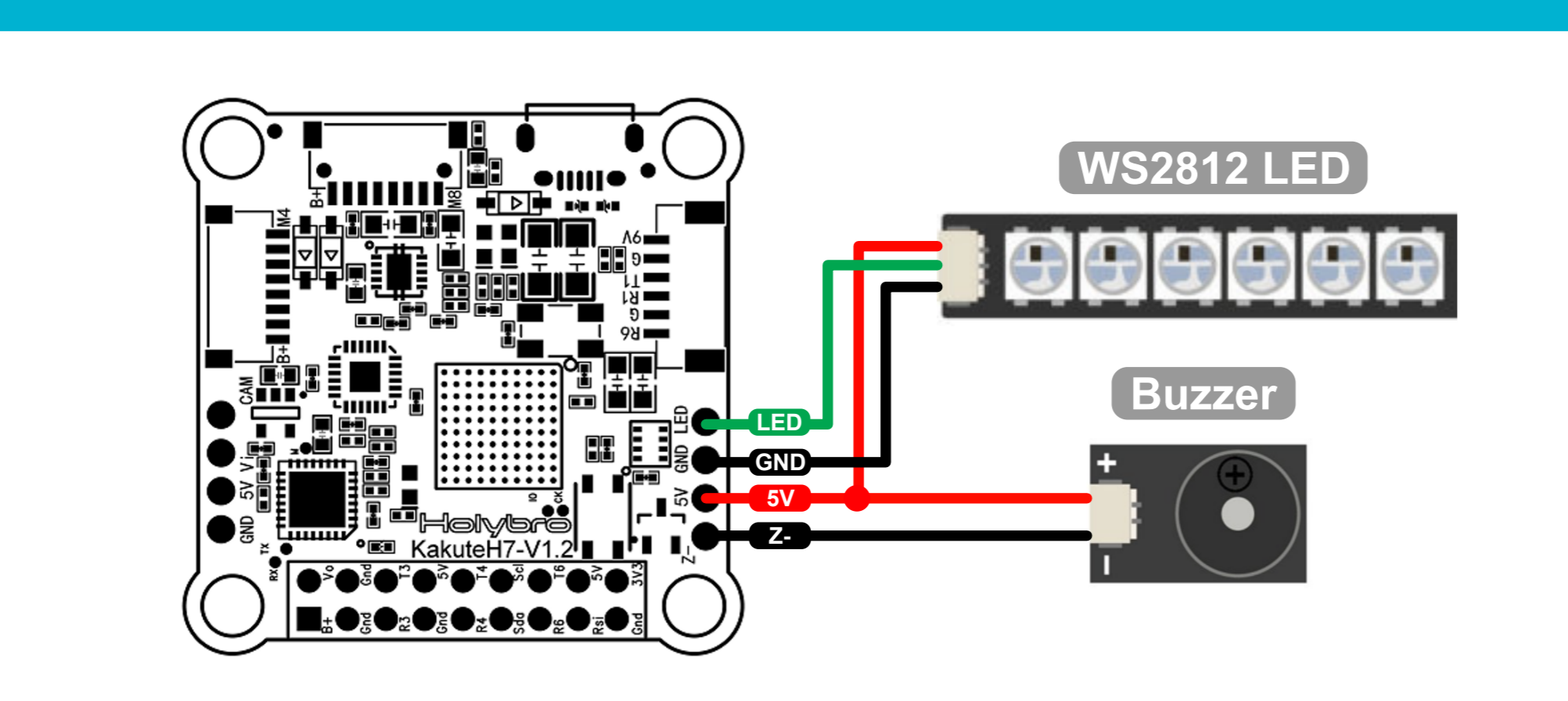
Video Transmitter (Vtx) If you are not Using DJI/Caddx Digital System Vtx



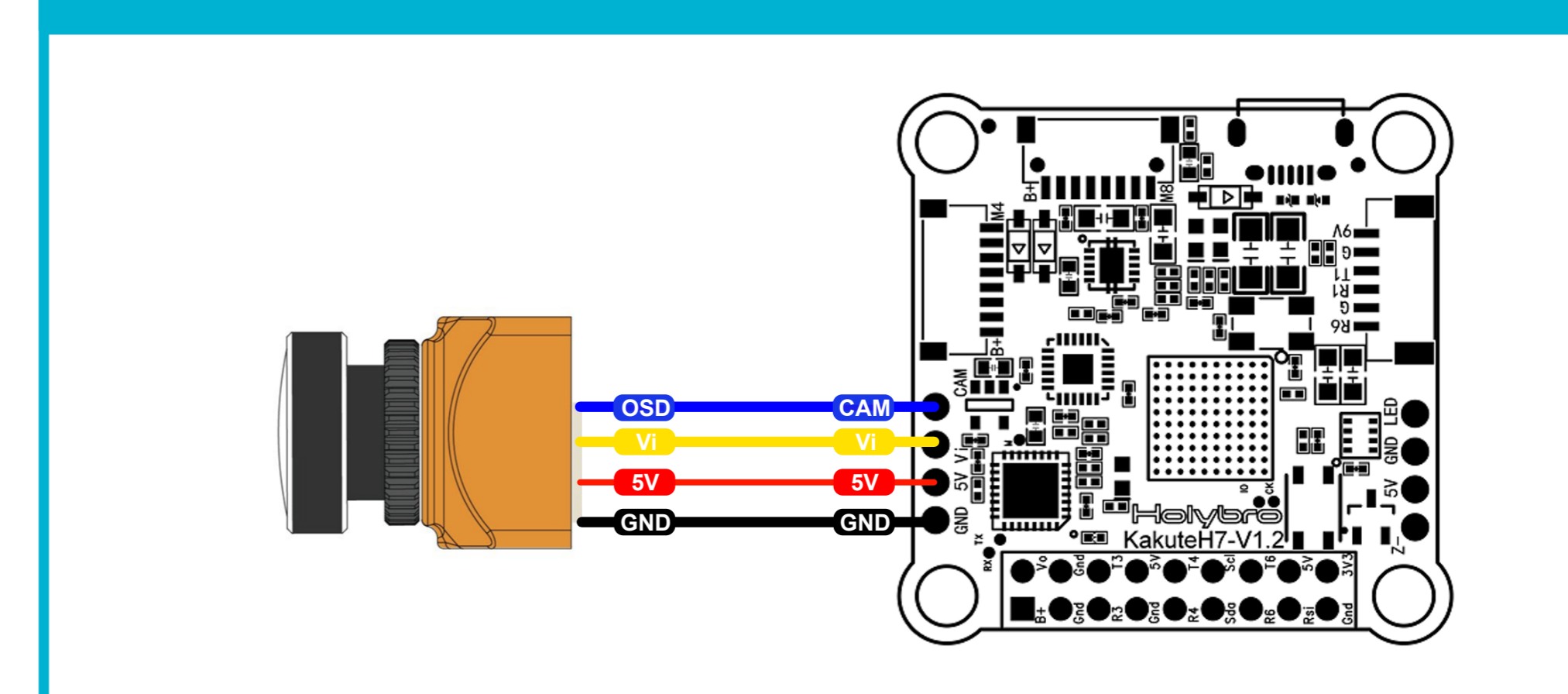
GPS



Buzzer/LED



Analog FPV Camera



ESCs Dual Plug-and-Play 4in1 ESC Ports

