URUAV UZ85 Quick Guide Manual

1.Frame quick assembly diagram
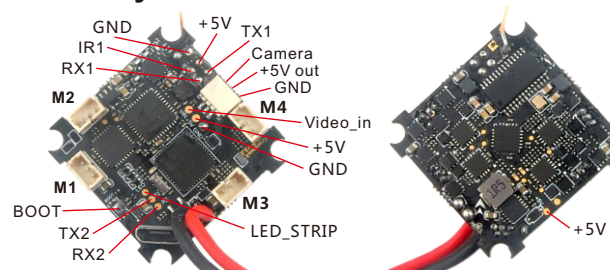

M1.4×3Camera
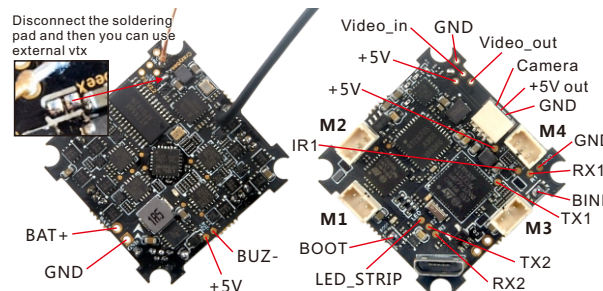
M1.3×6

M2×6

M1.4×3
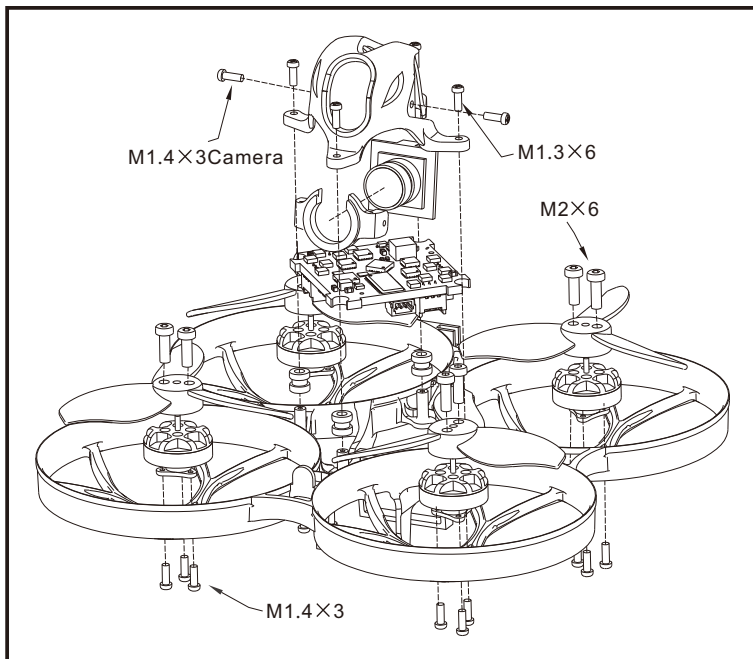
2.Camera connetion
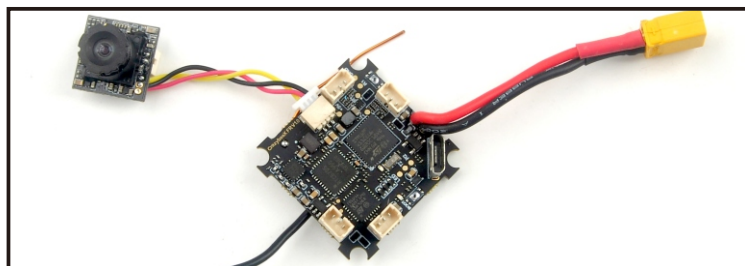
3.Flight controller connection diagram

CrazybeeX FR V2.2

GND
IR1
RX1
+5V
TX1
Camera
+5V out
GND
M2
M4
Video_in
+5V
GND
M1
M3
BOOT
TX2
RX2
LED_STRIP
+5V

CrazybeeX FS V2.2

Disconnect the soldering pad and then you can use external vtx

Video_in
GND
Video_out
+5V
Camera
+5V out
+5V
GND
M2
M4
IR1
GND
RX1
M1
BIND
TX1
M3
BAT+
BOOT
TX2
GND
BUZ-
LED_STRIP
RX2
+5V

CrazybeeX PNP V2.2

GND
IR1
RX1
+5V
TX1
Camera
+5V out
GND
M2
M4
Video_in
+5V
GND
M1
M3
BOOT
TX2
RX2
LED_STRIP
+5V
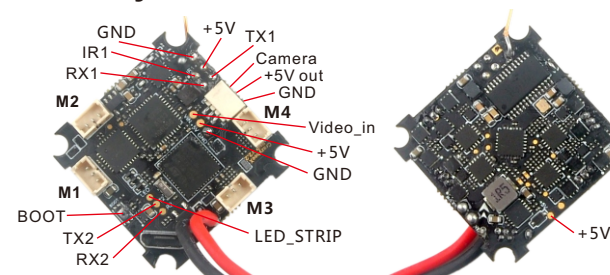
4.Receiver bind procedure

URUAV UZ85 CrazybeeX FR V2.2 Bind procedure:
Make the on board receiver get into bind mode: For 3.5.7 version firmware Plug USB and then press the bind button for 1 second , the Red LED on the top of the
flight controller will getting to be solid , this indicate the receiver is in bind mode; For 4.0.x version firmware Plug USB and then connect betaflight configurator and then move to CLI tab , type "bind_rx_spi" ,the Red LED on the top of the flight controller will getting to be solid , the onboard receiver is in bind mode;
For 4.1.x or 4.2.x the bind code is "bind_rx"Make your Frsky transmitter get into bind mode . If bind is successful the red LED will starting to blink.   The red LED wouldn't blinking when binding with some new ACCESS firmware frsky radio , but the bind is actual successful , need to go to CLI command and type "save" to finish the binding .

URUAV UZ85 CrazybeeX FS V2.2 Bind procedure:
Make the on board receiver get into bind mode: For 3.5.7 version firmware Press and hold the bind button for 1 second ,then plug USB, the Red LED at the bottom of the flight controller will blinking fast , this indicate the receiver is in bind mode; For 4.0.x version firmware Plug USB and then connect betaflight configurator and then move to CLI tab , type "bind_rx_spi" ,the Red LED at the bottom of the flight controller will blinking fast , the onboard receiver is in bind mode; For 4.1.x or 4.2.x the bind code is "bind_rx"Make your Flysky transmitter get into bind mode . If bind is successful the red led will getting to be solid.

URUAV UZ85 CrazybeeX PNP version bind procedure based on different external receiver .
We already pre-solder the receiver wire for SBUS receiver .
IR1 pad is inverted serial signal used for SBUS receiver
RX1 pad is Non-inverted serial signal for ibus/dsm2/dsmx receiver