

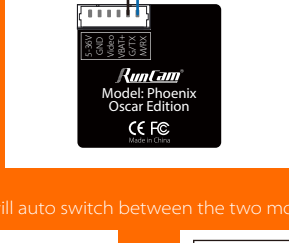
RunCam Phoenix Oscar Edition

USER MANUAL

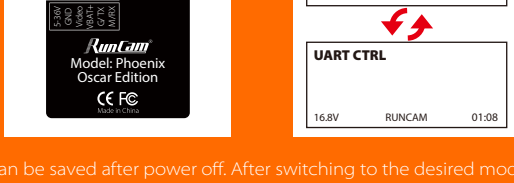
Joystick Control & UART Control Switchable

The top left corner of the screen will shortly display the current control mode. The default is Joystick control mode.

1 Short the two camera control pins



2 Then power on, camera will auto switch between the two modes

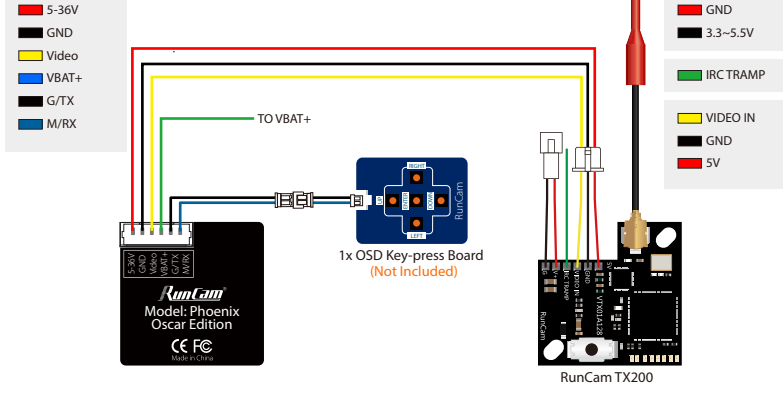


3 The mode can be saved after power off. After switching to the desired mode, please unplug the short-circuit cable.

UART works with Flight Controllers:

BetaFlight 3.3 or above / ButterFlight 3.4 or above / CleanFlight 2.2 or above / Kiss Flight RC36 or above

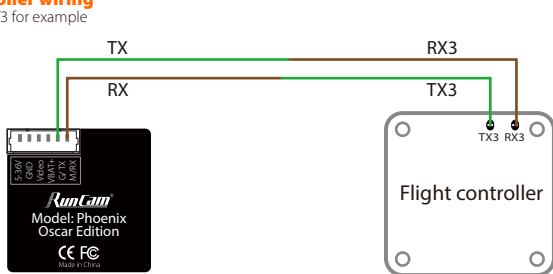
Joystick Control



UART Control

1. Flight controller wiring

Note: Take UART3 for example

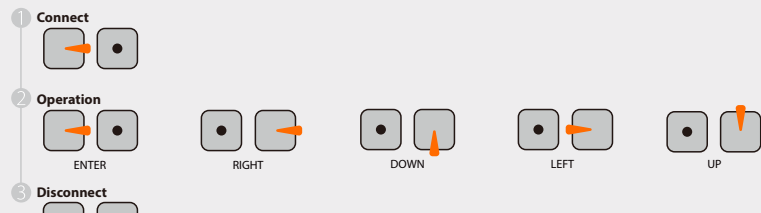


2. Betaflight 3.3 or above setting

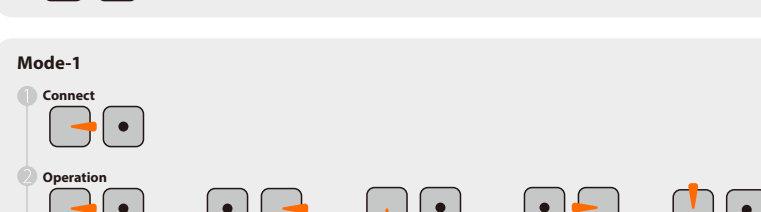
Identifier	Configuration/MS	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USBVCP	115200	Off	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART1	115200	Off	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART2	115200	Off	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART3	115200	Off	Disabled / AUTO	Disabled / AUTO	RunCam Device / AUTO
UART4	115200	Off	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO
UART5	115200	Off	Disabled / AUTO	Disabled / AUTO	Disabled / AUTO

3. UART Control

Mode-2

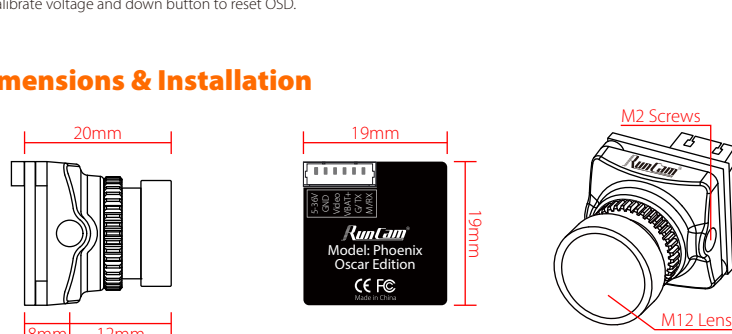


Mode-1



* When connected, The buzzer on Flight Controller will beep for 3 times; When disconnected, The buzzer on Flight Controller will beep for 2 times only; If connected successfully, you can long press the up button to enter the OSD menu, left button to calibrate voltage and down button to reset OSD.

Dimensions & Installation



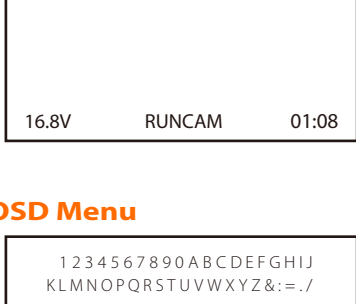
Quick Settings



Operating:

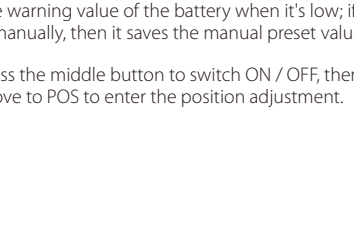
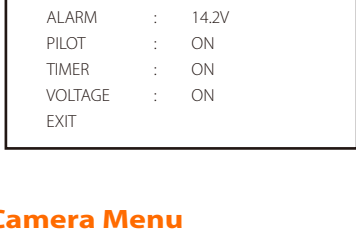
- Long press LEFT button for three seconds to calibrate the voltage. When the voltage text flashes, press UP/DOWN button to adjust it
- Long press DOWN button for six seconds to reset OSD settings to default

OSD Menu

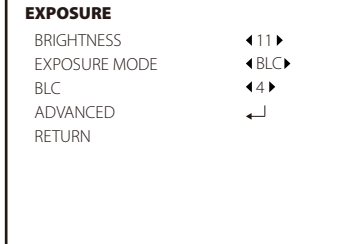
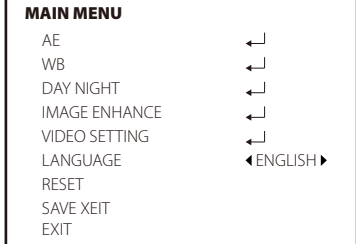


- Long press UP button for three seconds to access to the OSD setting's screen
- CLR: clear the ID character;
- ALARM: low voltage warning value, smartly judge the warning value of the battery when it's low; if set it manually, then it saves the manual preset value;
- Press the middle button to switch ON / OFF, then move to POS to enter the position adjustment.

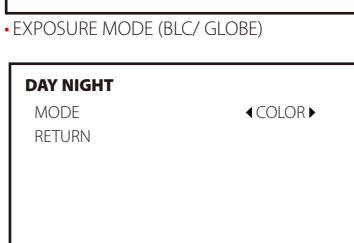
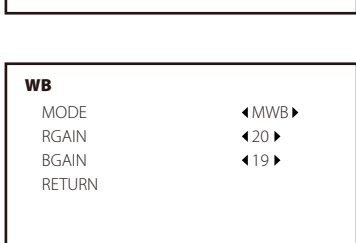
Camera Menu



- EXPOSURE MODE (BLC/ GLOBE)



- MODE (MWB/ATW)
- MODE (COLOR/ BW / EXT / AUTO)



- VIDEO STANDARD (PAL/NTSC)
- IMAGE RATIO (4:3 / 16:9)

- CONTRAST (MANUAL/AUTO)
- SHARPNESS (MANUAL/AUTO)
- COLOR GAIN (MANUAL/AUTO)

Parameters

Model	RunCam Phoenix Oscar Edition
Image Sensor	1/3" 120dB WDR Sensor
Horizontal Resolution	1000TVL
Lens	2.5mm (M12) FOV 140° 4:3
Screen Format	4:3 / 16:9 Switchable
Mirror/Flip	Available
Signal System	PAL / NTSC Switchable
Integrated OSD	Yes
S/N Ratio	>50dB (AGC OFF)
Electronic Shutter Speed	Auto
Auto Gain Control (AGC)	Auto
Min. Illumination	0.01Lux@1.2F
WDR	D-WDR
Day/Night	Color / Auto / B&W
Menu Control	Cable Control / Remote Control Switchable
Power	DC 5-36V
Current	220mA@5V / 120mA@12V
Housing Material	ABS
Net Weight	9g
Dimensions	19mm*19mm*20mm