Flysight®

BLACK PEARL

RC801 Lite

7 inch HD Display Monitor

Instruction manual

BLACK PEARL

RC801 Lite

7 inch HD Display Monitor

Features

7 inch 1280*800 display monitor

Support HDMI 1.3 in

Support image zoom

Support image rotation 180°

Optional focus assist & false color

Detachable slim 3S battery

Support 2S-6S LiPo battery

Folded sun shadow

Support standard bracket

Battery volume intuitively showed way

Safety Notice

Warning

● In order to reduce the damage of fire, electric shock or product hazard, do not expose the unit to rain or moisture.
● Please use only the recommended accessories.
● Do not disassemble this product; it should be repaired by the professional people.

Battery

● DO NOT dismantle the battery.
● DO NOT make the battery short or its terminals in touch with metal objects, there is explosion danger.
● DO NOT use any damaged or leaking battery.
● DO NOT throw the battery into fire
● DO NOT put the battery in the place over 65℃.
● DO NOT expose the battery to strike, fall, etc..
● Be sure to keep the battery out of children's reach.
● Please replace the battery immediately if its working life becomes short significantly.
● Replace the battery with the same one or the equivalent recommended by the manufacturer.
● This device uses Li battery, which is recyclable resources, to deal with the waste battery, please send it to the resource recycling.

Caution

● The magnetic field with certain frequency may affect the image and sound of this device.
● DO NOT install or store this device in book cabinet, closet or other closed spaces to avoid such risks as electronic shock, fire and so on due to overheat.
● DO NOT place this device near open fire.
● This device is not dust-proof, waterproof, please note when using.

Packing content

Main Body

Sun Shadow

Battery

AV Cable

DC Input Cable

power supply

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Battery Installation

● Push the battery socket with gold contacts toward the gold contacts of the
battery compartment of the device, and press the battery down; when
battery reaches the bottom of the battery compartment, the battery lock
will fix the battery automatically.

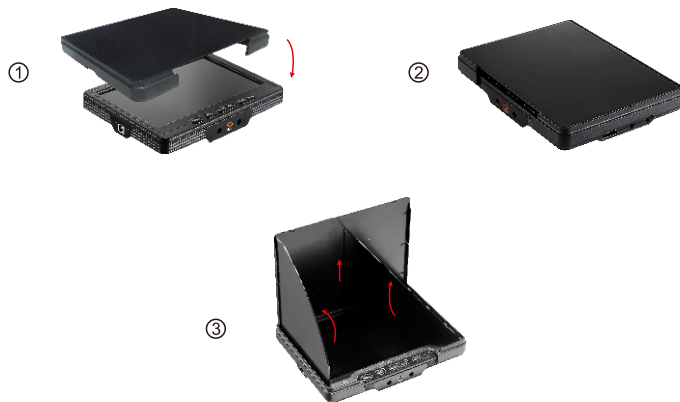● If you don't install the battery, you can use 7～28V power supply.

①

②

Battery lock

Recharge the Battery

● Please use power supply with 12V/2A at least.
● Please recharge the battery fully at the first time.
● When the blue LED light (under<M>Button, 5pcs in total) shines, the
product is running out of power, please recharge the battery in time.
● Recharge at start state, the blue LED indicated lights are all on after
recharging finished; Recharge at shutdown state, ,the blue LED indicated
lights are all off after recharging finished.

Install the Sun-shadow

● Install the folded sun shadow well on the monitor (default status in the box)
● Reset the folded sun shadow, please do it as follows:
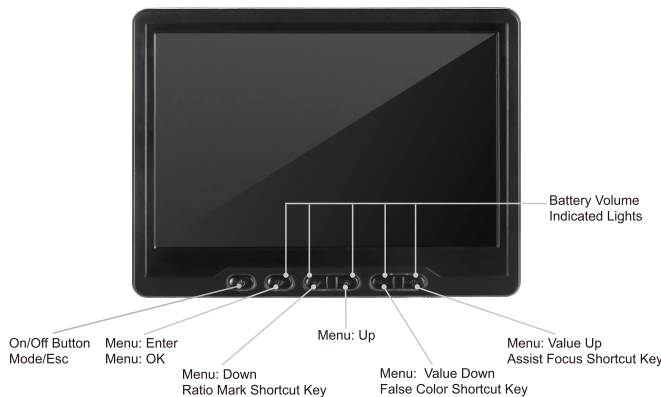
①   ②

③

Tripod thread

DC in port

AV out

AV in

HDMI in

Ventilation holes

Battery

Battery lock

Low end Version

On/Off Button
Mode/Esc

Menu: Enter
Menu: OK

Menu: Down

Menu: Up

Menu: Value Down

Menu: Value Up

High end Version

Battery Volume
Indicated Lights

On/Off Button
Mode/Esc

Menu: Enter
Menu: OK

Menu: Down
Ratio Mark Shortcut Key

Menu: Up

Menu: Value Down
False Color Shortcut Key

Menu: Value Up
Assist Focus Shortcut Key

Operation Instruction

Power on/off

- Press the on/off button until the device is on, the red power indicated light will be on all the time. Meanwhile, **the blue battery volume indicated lights** will be on (as default, you can turn them off by pressing <Λ> button). If there is no input video signal, the green light will be on, otherwise, it is off.
  P.S.:The blue battery volume indicated lights, there are 5pieces of blue battery volume indicated lights under the <M, V, Λ, ‒, +> buttons on the front panel of RC801 lite, <M> button stands for almost 5% of battery volume, rest 4 buttons each stands for about 24% battery volume. When you recharge the battery on RC801 lite, from <M to +> button, the blue indicated lights increase from 1 to 5;when you start the RC801 lite with full recharged battery, from <+ to M> button, the blue indicated lights decrease from 5 to 1.

- Press the on/off button until the red power indicated light is off.
- Please take out the battery if you don't use it for a long time.

Working Mode

Press the <M> button to switch between AV IN and HDMI IN modes; PAL and NTSC system can switch automatically by the device.

AV IN Mode
Enjoy your external video and audio signal by connecting through the AV In port; meanwhile the AV Out port can output the video and audio signal to other equipments.
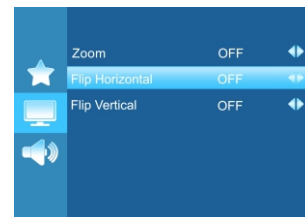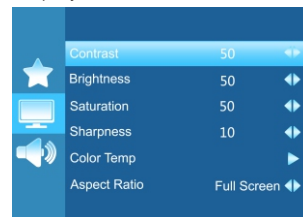
HDMI IN Mode
For a clearer image, switch to HDMI input, the monitor will display a maximum input of 1920*1080/60Hz.
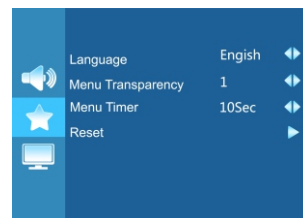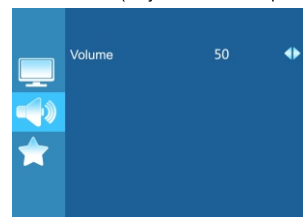
Menu

Low end Version
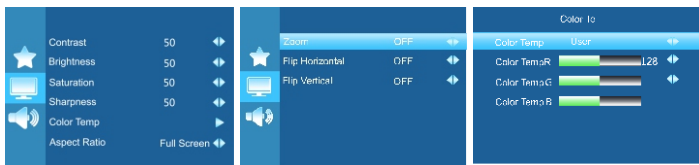
Display Menu

Function Menu

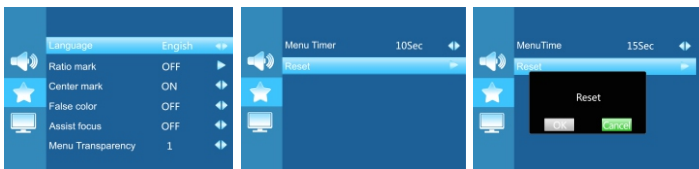
Audio Menu(adjust audio output value)
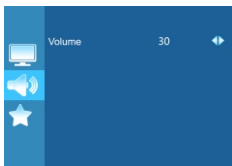
Menu

High end Version

Display Menu

Function Menu

Audio Menu(adjust audio output value)

Functions

Low end Version

Display Ratio
In AV IN Mode, press <M> button to display menu, again press <M> button to find <Display ratio>, then press <+>/<-> button to switch among Full screen / 4:3/ 16:9.
In HDMI IN Mode, press <M> button to display menu, again press <M> button to find <Display ratio>, then press <+>/<-> button to switch between Full screen/ 4:3.

Image Zoom
Press <M> button to display menu, again press <M> button to find <Zoom>, then press <+>/<-> button to switch among off / X2 / X4 / X6.

Display Flip
In the menu, Flip Horizontal is for image mirror display, Flip Vertical is for image upside down display.
Press <M> button to display menu, again Press <M> button to find <Flip Horizontal> or <Flip Vertical>, then press <+>/<-> button to switch between on / off.

High end Version

Except the above 3 functions in low end version of the RC801 Lite, for its high end version ,there are more GREAT functions as below.

Ratio Mark
Press <M> button to function menu, again press <M> button to find <ratio mark>, then press <+> button to find aspect ratio (OFF /4:3 \1.66:1 \2:1 \ 2.2:1 \2.35:1 \16:9 \16:10 \1.85:1), then press <V> or <∧> to choose the aspect ratio, last press <M> to confirm; Or use <V> Ratio mark shortcut key to realize this function directly.

Functions

Central Mark
Press <M> button to function menu, again press <M> button to find <central mark>, then press <+>/<−> button to switch between on / off.

False Color
Press <M> button to function menu, again press <M> button to find <false color>, then press <+>/<−> button to switch between on / off. Or use <−> false color shortcut key to realize this function directly.

Assist Focus
Press <M> button to function menu, again press <M> button to find <assist focus>, then press <+>/<−> button to switch between on / off. Or use <+> assist focus shortcut key to realize this function directly.

Specification

Display Screen	Diagonal	7 inch
	Resolution	1280X800
	Contrast	800:1
	Luminance	400cd/㎡
AV Port	AV OUT	Video、Audio output
	AV IN	Video、Audio input
	HDMI IN(A Type)	Support HDMI 1.3 Input, Support HDMI Audio in
Power Supply	DC IN	7～28V/ 2A
	DC OUT	Output Voltage：DC IN or battery voltage Output Current：12V/600mA
	Battery	11.1V/1000mAh(3S Li-Po battery)
	Consumption	12V input:7.2W
Dimensions	Main Body	170X129X19.5mm(not include sun shadow)
	Battery	105X87.5X6.7 mm(not include prominent part)
Weight	Main Body	460g(include sun shadow,no battery)
	Battery	90g
Tripod connector		General 1/4 "thread
Working Temperature		-10℃ ~ +65℃