PortKeys BM7IIDS

User Manual

Contents

Product Introduction

7 "

106.8MM

179.3MM

EXIT / Long press for 3 seconds
to switch the state of touch control

31MM
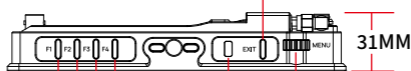
Custom Function Keys   Indicator   Sliding Menu

2.4GHz
Antenna

SDI Output

SDI Input 1

SDI Input 2

MOTOR
CONTROL

HDMI Input

DC 5.5*2.1

HMDI Output

2 Pin LEMO

Camera Control Interface

1/4" Threaded Insert

Power Switch

USB Upgrade Port

Audio Headphone Output
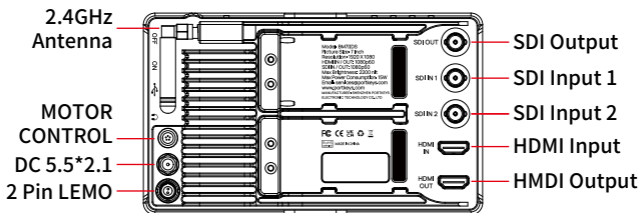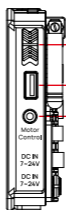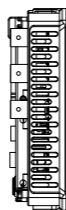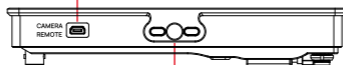
⚠ **Operating temperature range: 0 ℃ ~ 40 ℃**

Packing List

BM7 II DS Monitor X1

Micro USB Flash Drive X1

Safety Box X1

Threaded DC Power Cable X1

Customer Feedback Card X1

Basic Parameters

Screen Size	7"
Color Gamut	85% P3
Resolution	1920x1080
Brightness	2200nit
Contrast Ratio	1000:1
Dimension	179.3×106.8×31mm
Weight	460g
Viewing Angle	85 /85 /85 /85
Material	Aluminum Alloy
Video Signal Input	3G SDI X 2、HDMI
Video Signal Output	3G SDI、HDMI
Signal Conversion	HDMI to SDI HD Output
Camera Control Port	Motor Control / CAMERA REMOTE
Input Voltage	7-24V
USB-A	Upgrade Firmware /Load LUT
Support Battery Model	SONY NP-F970/F960/F750/F550
Power Input /Output	2 Pin LEMO/DC 5.5*2.1
Audio Output	3.5mm Headphone Jack
Maximum Power	15W
Antenna	2.4G
Fan	Adjustable

Signal Specifications

Supported input resolution and frame rate

HDMI Signal

1920×1080p@23.97Hz,24Hz,25Hz,29.97Hz,30Hz,50Hz,59.94Hz,60Hz
1920×1080psf@23.97Hz,24Hz,25Hz,29.97Hz,30Hz
1920×1080i@50Hz,59.94Hz,60Hz
1280×720p@50Hz,59.94Hz,60Hz
720×576p&720×576i@50Hz
720×480p&720×480i@50Hz,59.94Hz,60Hz

Supported input/output resolution and frame rate

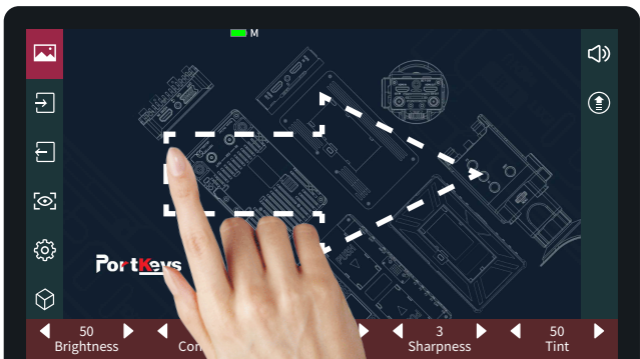SDI Signal

1920×1080p@50fps,59.94fps,60fps
1920×1080p@50Hz,59.94Hz,60Hz YUV422
1920×1080p@23.98Hz,24Hz,25Hz,29.94Hz,30Hz YUV444/YUV422
1920×1080psf@23.98Hz,24Hz,25Hz,29.97Hz,30Hz YUV444/YUV422
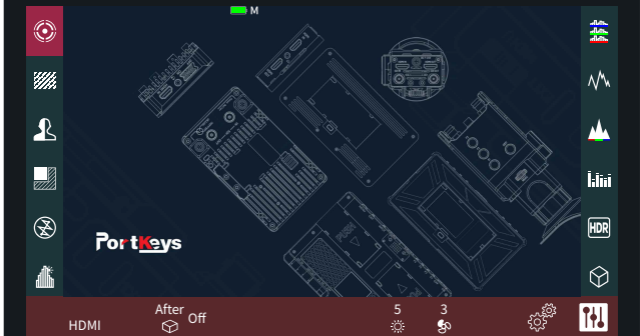1920×1080i@50Hz,59.94Hz,60Hz YUV444/YUV422
1280×720p@50Hz,59.94Hz,60Hz YUV444/YUV422

[Function interface gesture switching]

Swipe right on any interface to adjust to
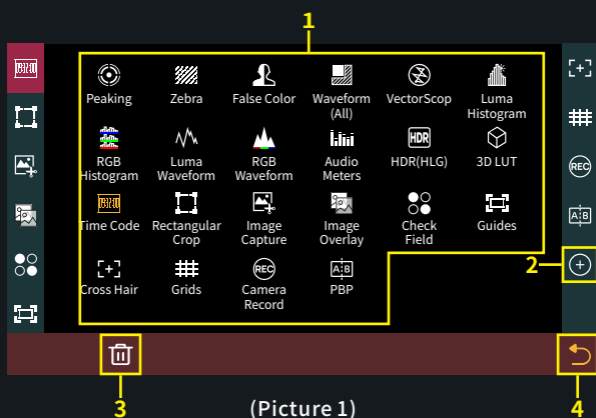the function setting interface;

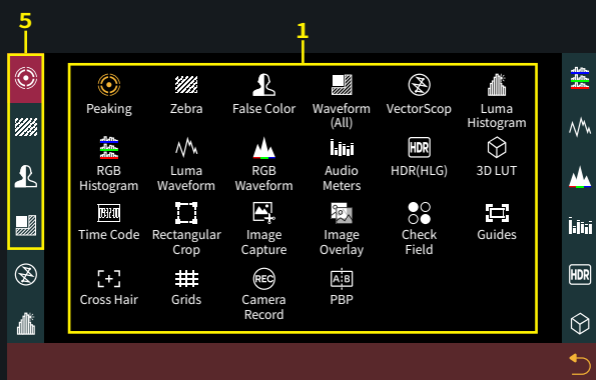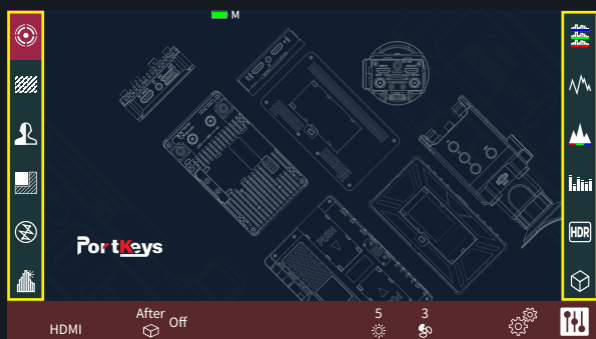(the function setting interface)

[Function Introduction]

1. Software Features;
2. Battery Level;
3. HDMI Signal;
4. Loading 3D LUT Before and After Data;
5. 3D LUT ON/OFF;
6. Screen Brightness (1-10);
7. Fan Strength (1-10);
8. Quickly Enter the Software Function List;
9. Quickly Enter the Software Debugging;

(Picture 1)

[Custom Function Keys Settings]

1. Select the function icon to replace;

2. Click " ⊕ " add shortcut functions to the left and right sides; If the function icons on the left and right have been added (Picture 2);You can swipe down in the shortcut function title area to continue adding.

3. Select the function icon and click " 🗑 " to delete;

4. " ↩ " Return key;
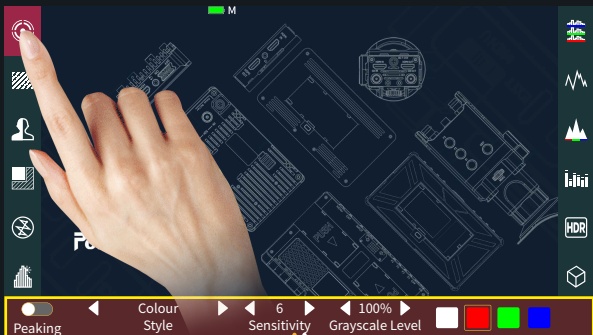

(Picture 2)

(Picture 3)

5. The first four functions are F1-F4 shortcut functions by default. You can swipe left/ right to enter the fucntion menu to change the custom functions (Picture 3) ;
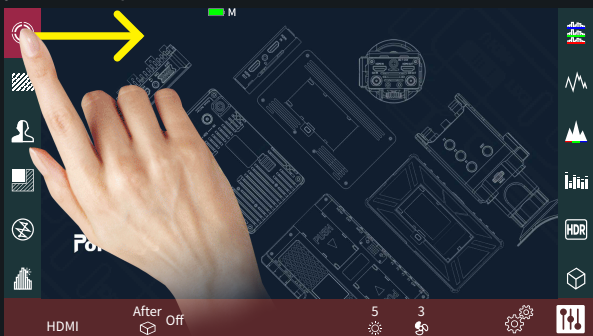

(Picture 4)

6. After F keys setting is completed, F1-F4 keys on the monitor can be used to turn on/off the functions(Picture 4);
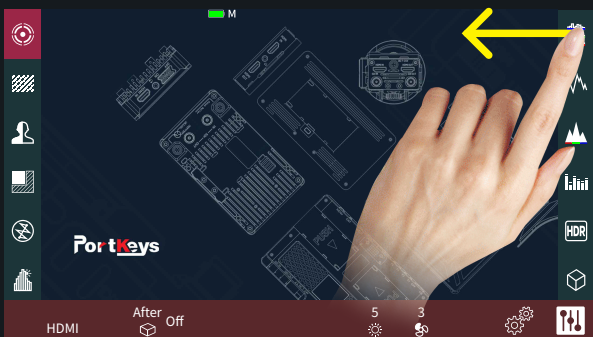
[Basic Operation]

Long press " 🎯 ", the function parameter setting shows at the bottom(Picture 5);

(Picture 5)

Swipe the icon " 🎯 " to the right and enter the function menu, you could replace or delete functions(Picture 6);

(Picture 6)

Swipe the icon " 📊 " to the left and enter the function menu, you could replace or delete functions(Picture 7);

(Picture 7)

[Settings interface gesture switching]

Swipe left on any interface to adjust to the system settings interface;

| 50 Brightness | 50 Contrast | 50 Chroma | 3 Sharpness | 50 Tint |

(the system settings interface)

◀ 50 ▶	◀ 50 ▶	◀ 50 ▶	◀ 3 ▶	◀ 50 ▶
Brightness	Contrast	Chroma	Sharpness	Tint

◀ 1.00X ▶	◀ 5 ▶	◀ 6500K ▶
Anamorphic	Backlight	Color Temperature
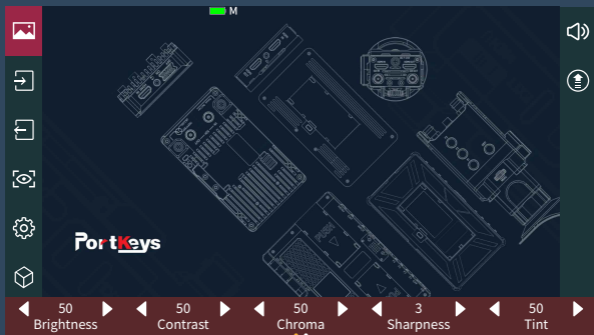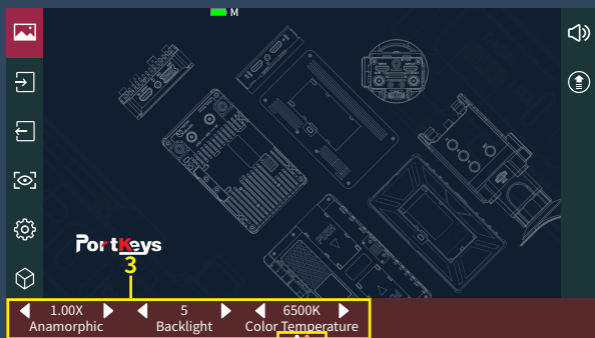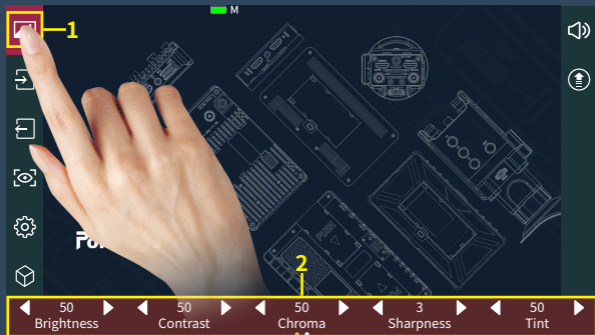
[Image Settings]

1. Click " 🖼 " ;

2. Parameter setting information;

3. Parameter setting information(Next page);

4. Display the number of the page of Image parameter setting;
   Swipe left or right in the bottom information area to switch
   pages;

[Signal Source Settings]

1. Click " ⇥ " ;

2. Signal source setup information;
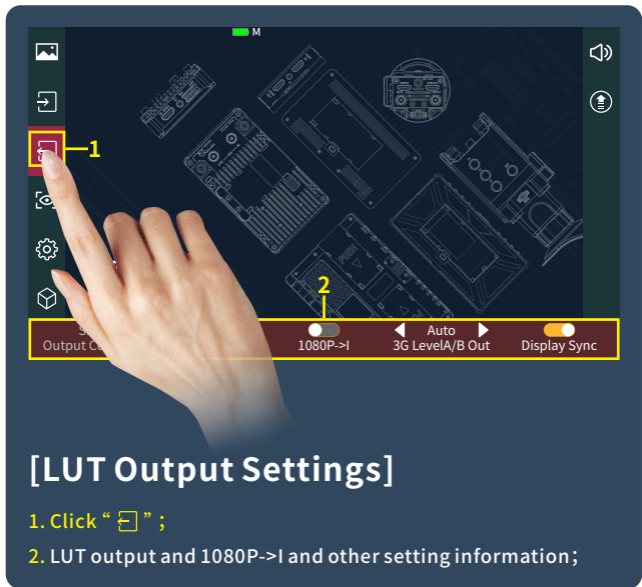
[LUT Output Settings]

1. Click " ☐ " ;

2. LUT output and 1080P->I and other setting information;

M

Partners

Disp | V Flip
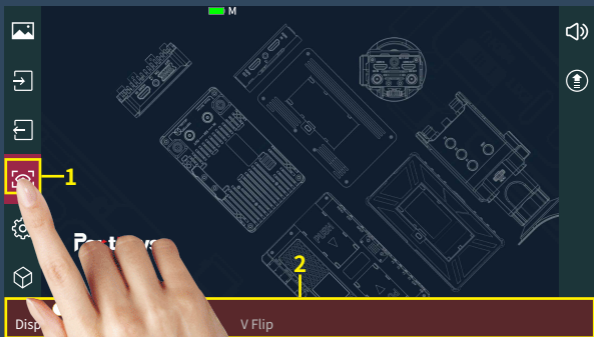
[Display Flip Settings]

1. Click " ⊡ " ;

2. Display flip setting information;
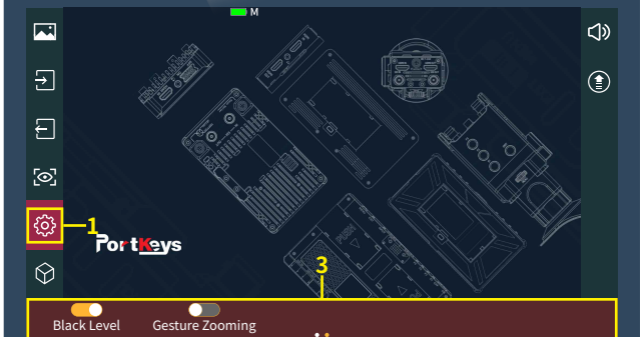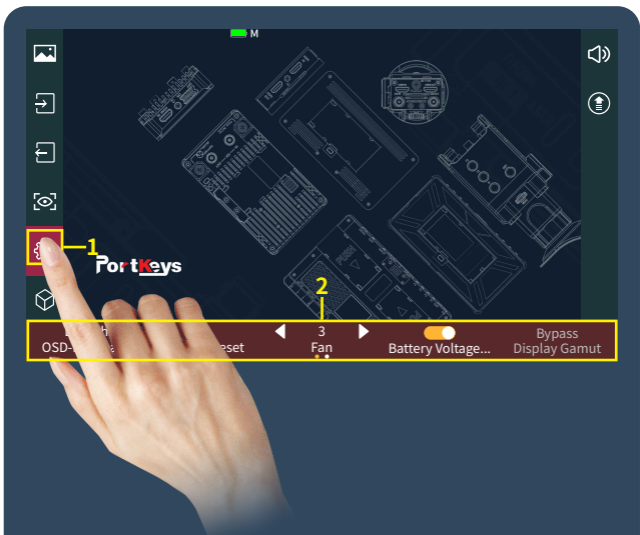
[System Setting]

1. Click " ⚙ ";
2. System parameter setting information;
3. System parameter setting information(Next page);

LUT   Stored from USB   USB Looks   Reset LUT
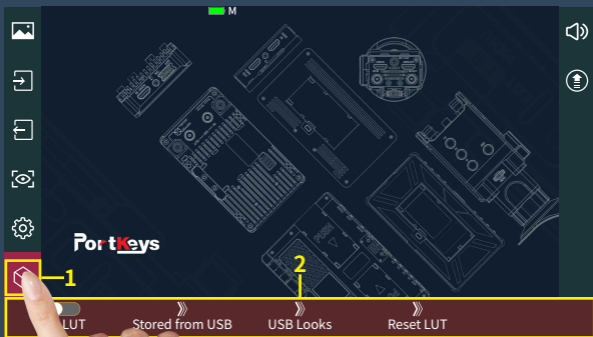
[3D LUT Setting]

1. Click " ⬡ ";

2. 3D LUT setting information；

[Volume Setting]

1. Click " 🔊 " ;

2. Volume setting information ;
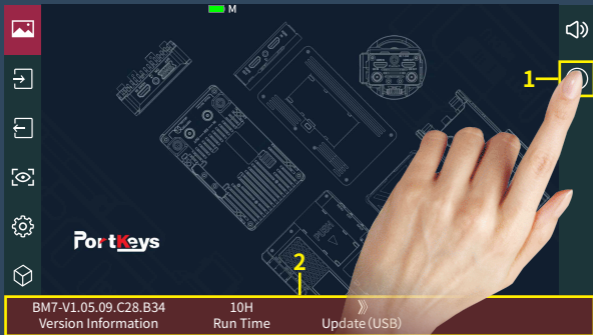
[Version Setting]

1. Click " 🔄 ";

2. View version information and upgrades;
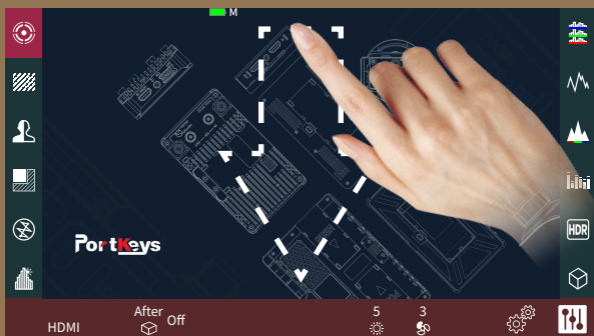
[Camera control interface gesture switching]

Swipe down on any interface can be adjusted to the camera control settings interface；
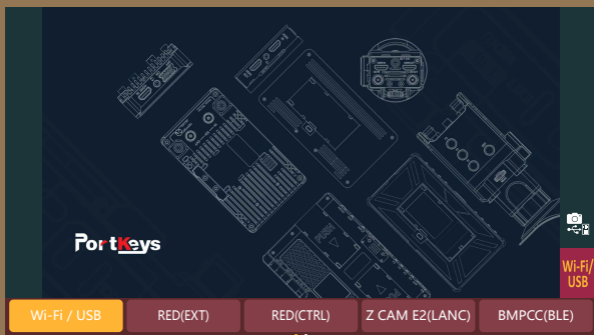
(the camera control settings interface)
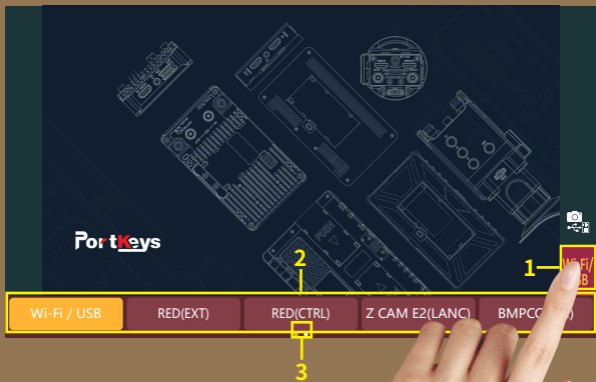
[Camera Model Setting]

1. Click " $\frac{Wi\text{-}Fi/}{USB}$ ";

2. Camera model options :

   Wi-Fi/USB、RED(EXT)、RED(CTRL)、

   Z CAM E2(LANC)、BMPCC(BLE)、BMPCC(LANC)、Canon(LANC)、

   Sony(MUTI)、Sony(LANC)、Panasonic (Remote) ;

   Currently selected "Wi-Fi/USB";

3. Display the number of the page of camera brands.Swipe left

   or right in the bottom information area to switch pages;
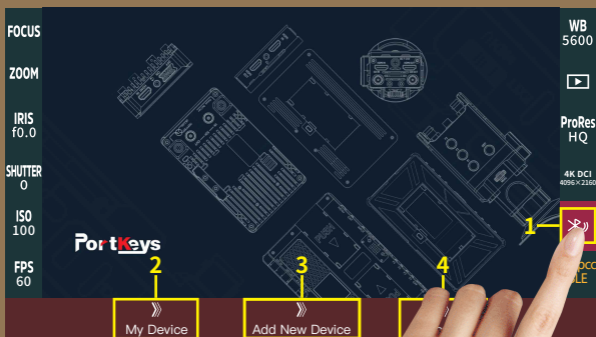
[Bluetooth Connection]

1. Select "BMPCC4K(BLE)";

2. Click " ⁂ ";

3. Select " My device ", For bluetooth connection(Record of successful bluetooth connection);

4. Select " Add new device ", turn on the BMPCC4K/6K Bluetooth function and record the passcode (picture 1), enter the passcode on the monitor(Picture 2 and 3), click " Pair ", After successful connection, The Bluetooth icon will be displayed in yellow " ⁂ ";

5. Select " Disconnect " to disconnect the Bluetooth connection;

(Picture 1)

(Picture 2)

(Picture 3)

WB
5600

ProRes
HQ

4K DCI
4096×2160

Bmpcc
BLE

FOCUS
∞

FOCUS — **1**

ZO

IRIS
100

SHUTTER
100

ISO
100

FPS
60

REC — **2**

3

4
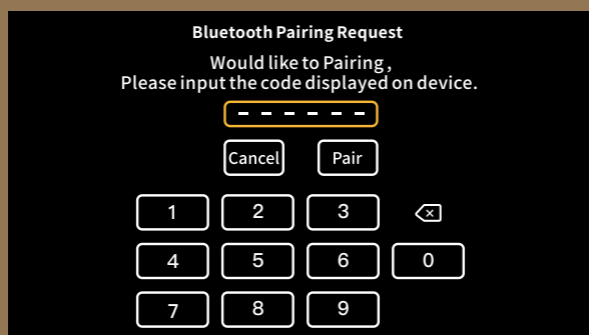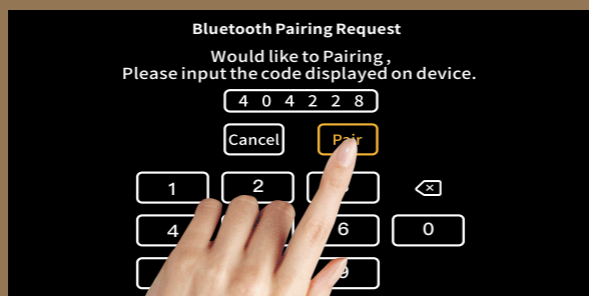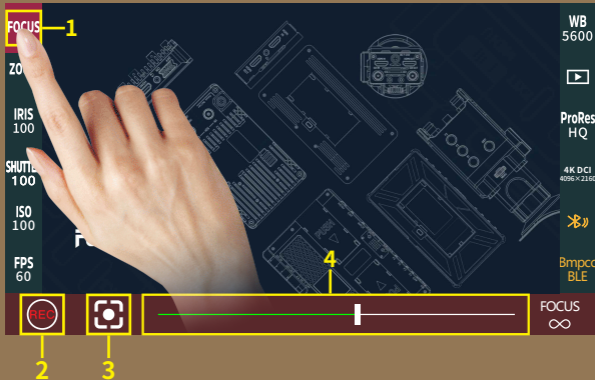
[Function Usage]

1. Click " **FOCUS** ";

2. Focus;

3. Record;

4. Adjust the parameter on the progress bar;

[Wi-Fi Connection]

1. On the KOMODO camera, go to the Main menu, find Communication, select Wi-Fi, and then enable " Ad-Hoc". Make sure that the SSID setting starts with "KOMODO" or "komodo" and the frequency band is "2.4GHz";

2. Select the "Wi-Fi / USB" camera mode on the monitor, Click the " 📷 " to open the " ⬤ "Wi-Fi;
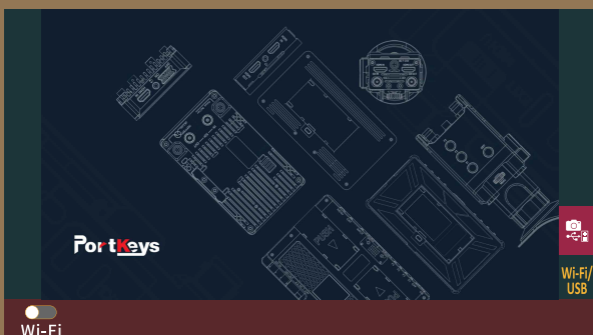
3. Select the " 》 My device " to connect to the Wi-Fi (successfully connected WiFi record);

| Wi-Fi | 》 My Device | 》 Add New Device | 》 Disconnect |
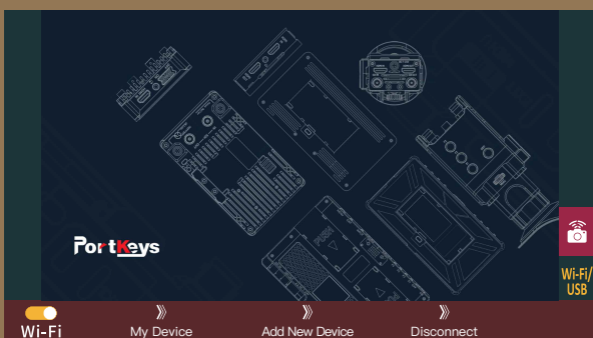
4. Select " 》 Add new device ", select the Wi-Fi name on the monitor, And enter the password.Tap " OK ", the Wi-Fi icon will be displayed as " 📷 " after successful connection;

KOMODO11   komodo22   Back

KOMODO11

12345678

1	2	3	4	5	6	7	8	9	0
q	w	e	r	t	y	u	i	o	p
a	s	d	f	g	h	j	k	l
⇧	z	x	c	v	b	n	m	⌫
@%?		OK

FOCUS   EV 0.5
IRIS f5.6   6K 16:9
SHU.. 270
ISO 3200
FPS 24
CT 6500   Wi-Fi/USB
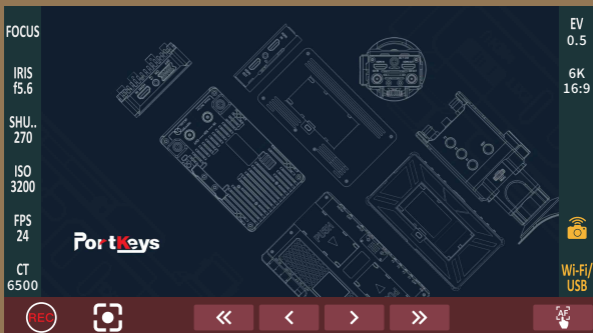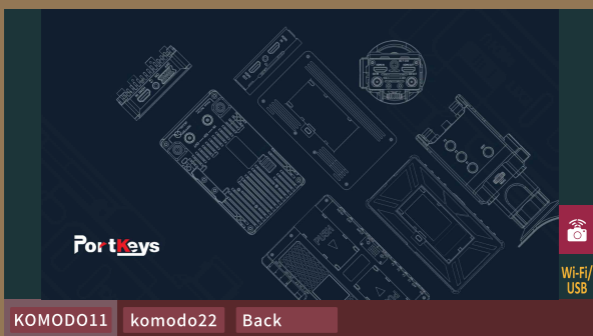
5. Select " 》 Disconnect " to disconnect the Wi-Fi;
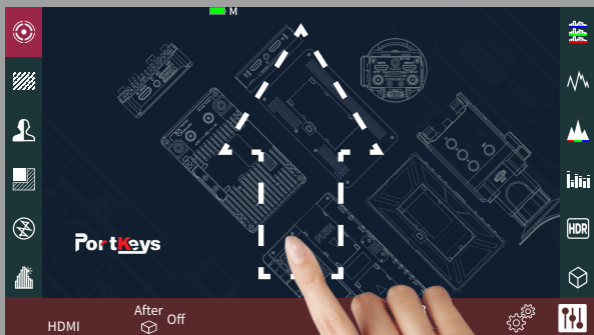
## [Motor control interface gesture switching]

Swipe up on any interface can be adjusted to the motor control settings interface；

(the motor control settings interface)

A

B

CAL

+

10s
A↔B

−

PortKeys

1

FOCUS
NO:1

ZOOM
NO:2

IRIS
NO:3

2

3

4

REC
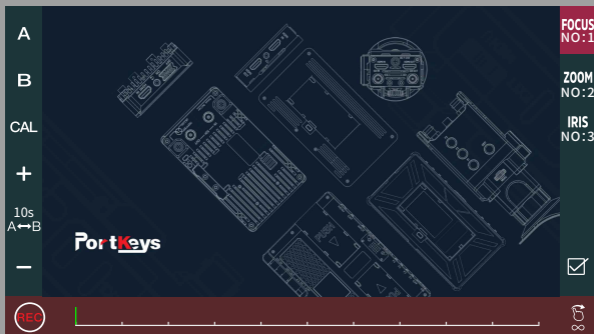
[Motor Control]

1. **Click** to select channel options " **FOCUS** NO:1 ";

2. Select the channel option to set the channel parameters;

3. Record;

4. Adjust the motor stroke;

Warning:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

6. Set Up Photos-15C
I can not find the blow 1GHz test setup photo and AC line conducted emission setup photo.
Please provide.
For AC line conducted emission：
"If the EUT normally receives power from another device that in turn connects to the public utility ac power lines, measurements shall be made on that device with the EUT in operation to demonstrate that the device continues to comply with the appropriate limits while providing the EUT with power. If the EUT is operated only from internal or dedicated batteries, with no provisions for connection to the public utility ac power lines (600 VAC or less) to operate the EUT (such as an adapter), then ac power-line conducted measurements are not required."

The earphone normally receives power from charge box that in turn connects to the public utility AC power lines.so line conducted emission need to tested.

7. BLE-test report
For AC line conducted emission：
The earphone normally receives power from charge box that in turn connects to the public utility AC power lines.so line conducted emission need to tested.

8. A3-TZ2009001675-E2 BT
1).product name is incorrect.

Product Description

Trade Mark ....:	TECNO
Product name ....:	Mobile Phone
Model No ....:	A3
Standards ....:	FCC Rules and Regulations Part 15 Subpart C Section 15.247 ANSI C63.10;2013

2).For AC line conducted emission：
The earphone normally receives power from charge box that in turn connects to the public utility AC power lines.so line conducted emission need to tested.