



Address:1406 14th Floor Block D Building 3
Phase I Tianan yungu Longgang district
ShenZhen China

Address:No.2nd Floor Building A Jingjiang
Industrial Park NO.101 Shangwei Road
Longhua District Shenzhen Guangdong China

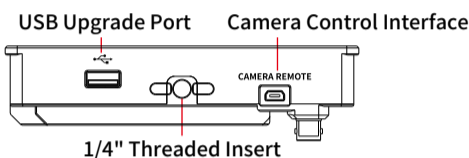
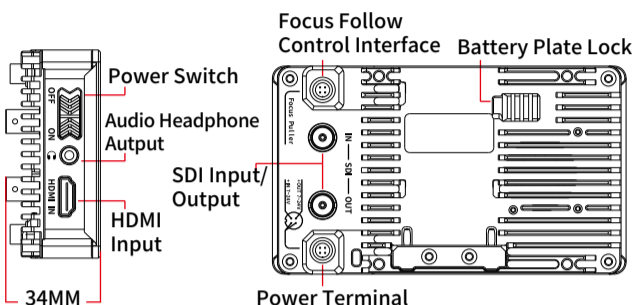
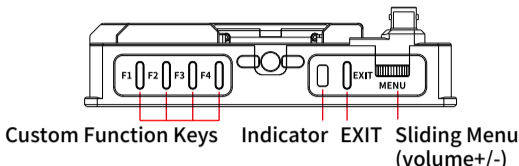
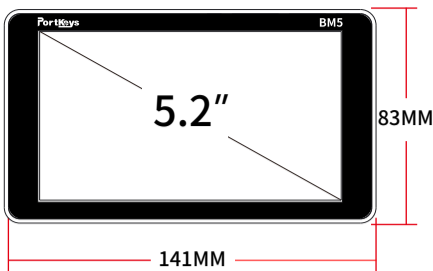
Servlce Hotline:4008090896

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website:www.portkeys.shop

BM5 User Manual

Product Appearance Size



⚠ Operating temperature range: 0 °C ~ 40 °C

Standard Accessories

- BM5 Monitor X1
- Camera Control Cable X1
- Warm Prompt Card X1
- M2 L-Type Inner Allen Key X1
- Power Cord (Aviation Head - D-TAP) X1
- Power Cord (Aviation Head - DC) X1
- U Disk (Manual, 3D LUTs, Firmware Inside) X1

Parameter

Size	5.2"
Dimension	141x83x34mm
Viewing Angle	178°H/178°V
Brightness(nit)	2200
Resolution	1920x1080
Contrast Ratio	1000:1
Weight	350g
Color	8bit
Backlight	WLED
Material	Aluminum Alloy + Toughened Glass
Input Voltage	DC 7~24V
Power Consumption	9.5~16W
Signal Input	3G SDI, HDMI
Signal Output	3G SDI
Headphone	Output
Menu Language	简体中文/English
Power Input / Output	4pin Aviation Connector
Signal Conversion	HDMI IN to SDI OUT
Camera Control Interface	Focus Puller / CAMERA REMOTE
Support Battery Model	SONY NP-F970/F960/F750/F550
Upgrade Firmware / Load LUT	USB-A
Fan	Yes

Supported input resolution and frame rate

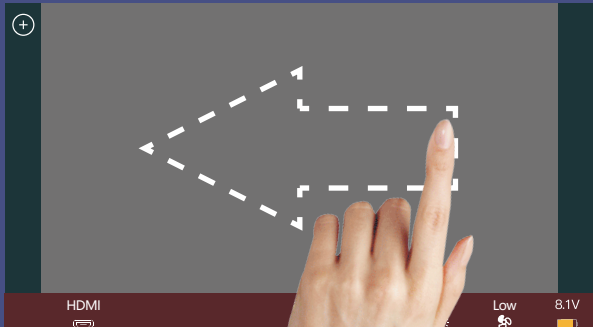
HDMI Signal

- 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

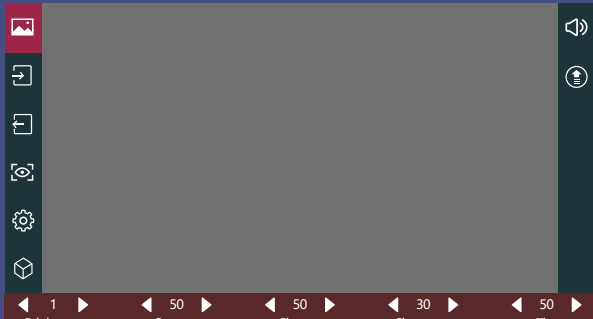
- 1920×1080p@50fps,59.94fps,60fps
- 1920×1080p@50Hz,59.94Hz,60Hz YUV422
- 1920×1080p@23.98Hz,24Hz,25Hz,29.94Hz,30Hz YUV444/YUV422/RGB444
- 1920×1080psf@23.98Hz,24Hz,25Hz,29.97Hz,30Hz YUV444/YUV422/RGB444
- 1920×1080i@50Hz,59.94Hz,60Hz YUV444/YUV422/RGB444
- 1280×720p@50Hz,59.94Hz,60Hz YUV444/YUV422/RGB444
- 720×480i@59.94Hz YUV422
- 720×576i@50Hz YUV422



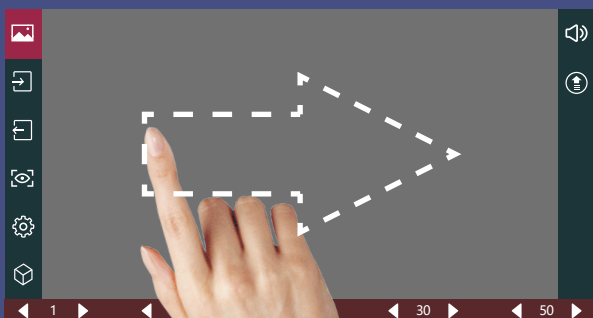
HDMI Low 8.1V

[System settings page switch]

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



(the system settings page)



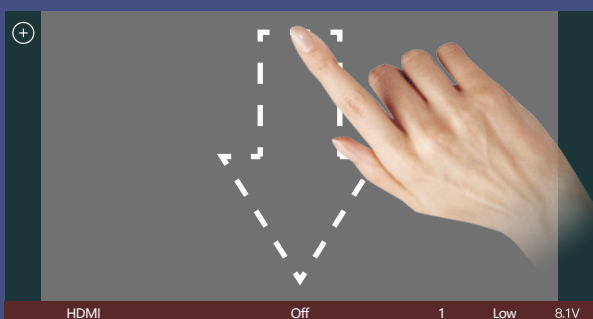
Brightness Contrast Chroma Sharpness Tint

[Function settings page switch]

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



(the function setting page)



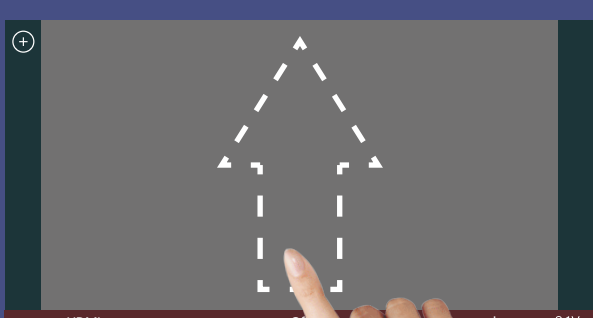
HDMI Off 1 Low 8.1V

[Camera control settings page switch]

Swipe down on any page can be adjusted to the camera control settings page;



(the camera control settings page)



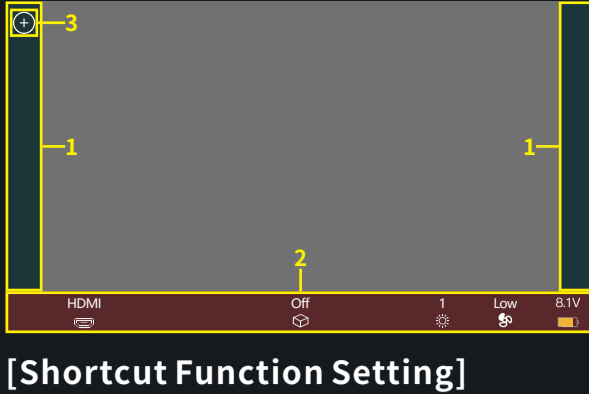
HDMI Off Low 8.1V

[Motor control settings page switch]

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

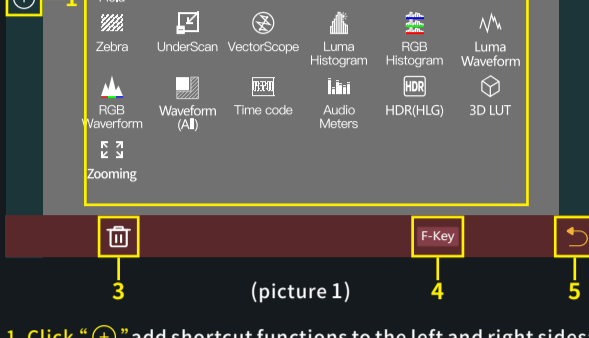


(the motor control settings page)



[Shortcut Function Setting]

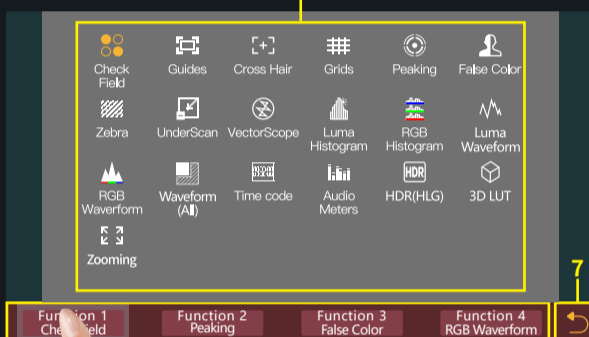
1. Shortcut function title area;
2. Parameter information setting area;
3. “+” Add function icon;



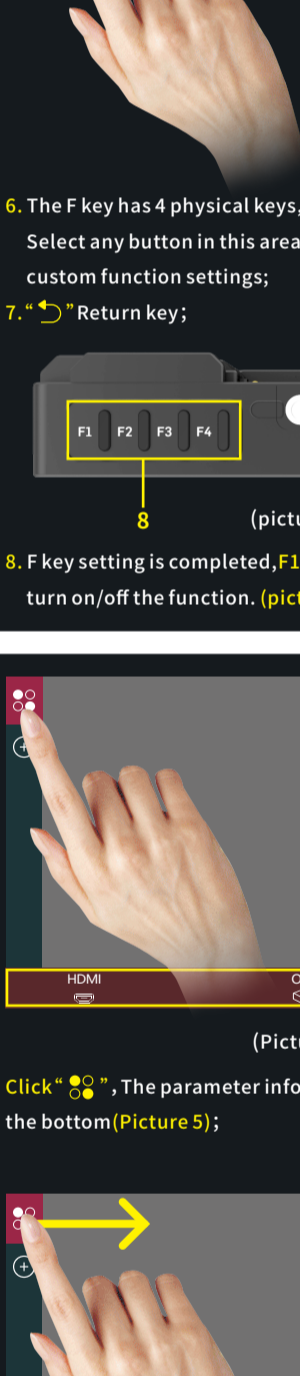
1. Click “+” add shortcut functions to the left and right sides; If the function icons on the left and right have been added (picture 2); can swipe down in the shortcut function title area to continue adding;
2. Select the function icon to replace;
3. Select the function icon and click “🗑️” to delete;
4. Click “ F-Key ” to enter F key Setting (picture3);
5. “↩️” Return key;



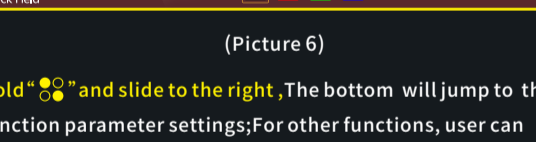
(picture 2)



(picture 3)

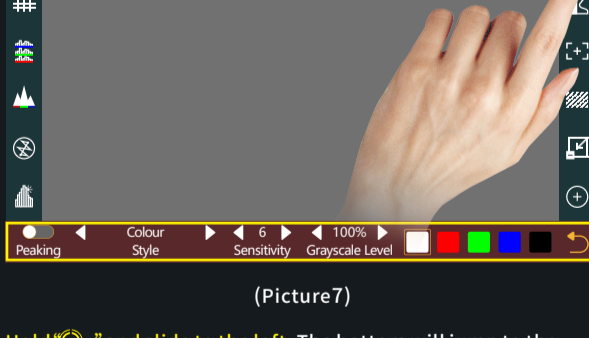


6. The F key has 4 physical keys, which can be customized; Select any button in this area in the function icon “2” for custom function settings;
7. “↩️” Return key;



(picture 4)

8. F key setting is completed, F1-F4 button on the monitor to turn on/off the function. (picture 4);



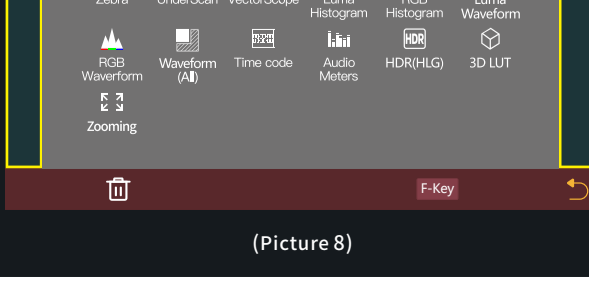
(Picture 5)

Click “🔍”, The parameter information setting is displayed at the bottom (Picture 5);



(Picture 6)

Hold “🔍” and slide to the right, The bottom will jump to the function parameter settings; For other functions, user can repeat the above operations or directly click to set parameters (Picture 6);

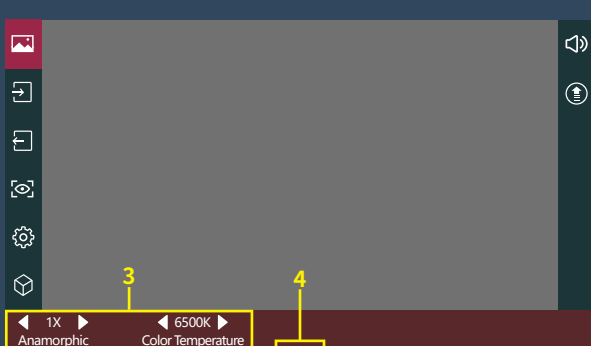
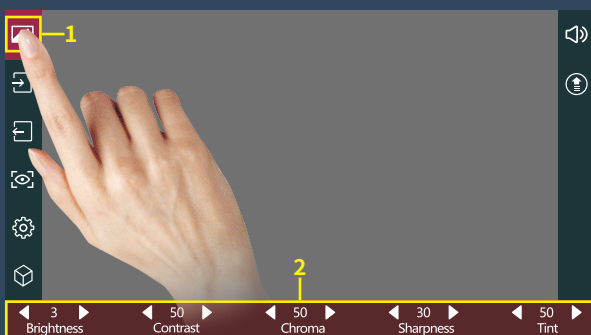


(Picture 7)


Hold “🔍” and slide to the left, The bottom will jump to the function parameter settings; For other functions, you can repeat the above operations or directly click to set parameters (Picture 7);

If this feature is not required, Long press “🔍” to jump to (picture 8) for function replacement/deletion;

(Picture 8)



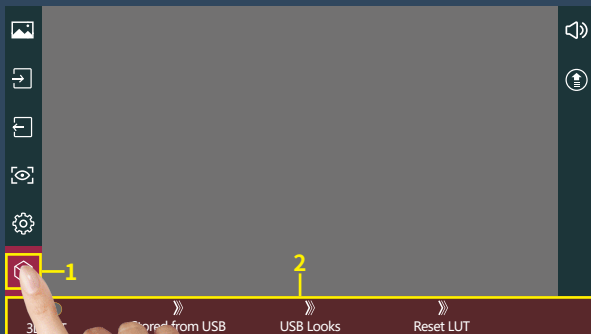
[Image Settings]

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 and right in the bottom information area to switch pages;



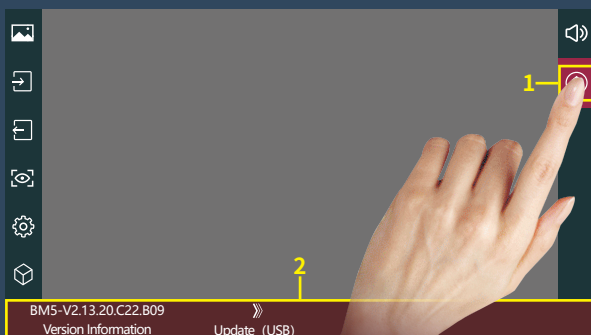
[System Setting]

1. Click “” ;
2. System parameter setting information;



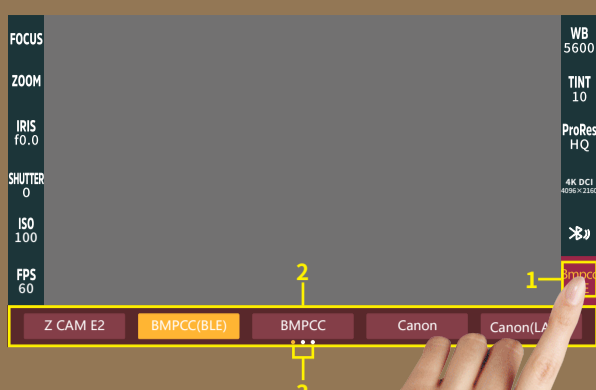
[LUT Setting]

1. Click “” ;
2. LUT setting information;



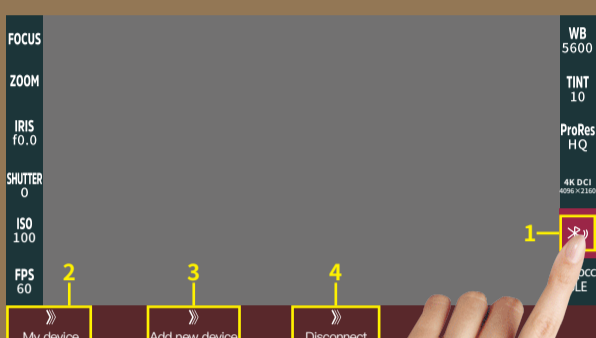
[Version Setting]

1. Click “” ;
2. View version information and upgrades;



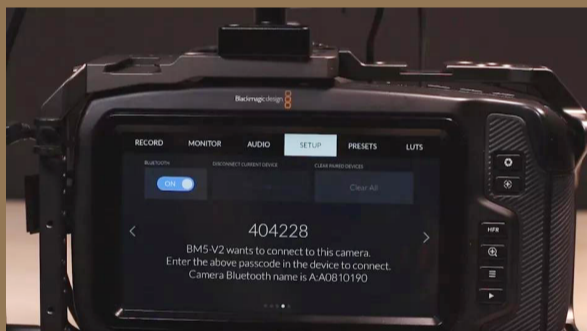
[Camera Model Setting]

1. Click “**Bmpcc BLE**” ;
2. Camera model options: Z CAM E2、BMPCC4K(BLE)、BMPCC、Canon、Canon (LANC) 、Sony(MUTI)、Sony(LANC)、Sony(FW50)、Sony(FZ100)、Panasonic; Currently selected “**BMPCC4K(BLE)**” ;
3. Display the number of the page of camera brands ,Swipe left and right in the bottom information area to switch pages ;

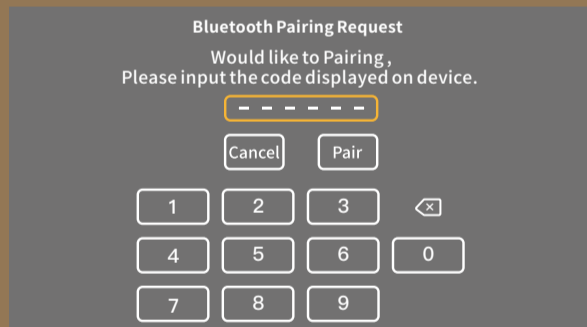


[Bluetooth Connection]

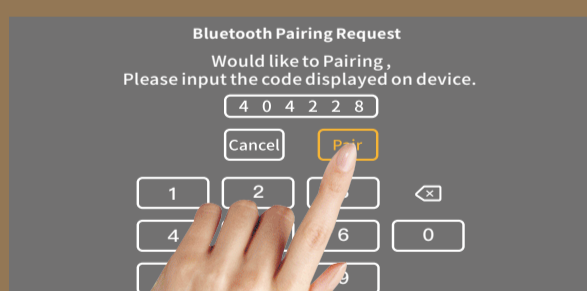
1. Click “**»»**” ;
2. Select “**»» My device**” , Make bluetooth connection (Successfully connected bluetooth record) ;
3. Select “**»» Add new device**” , turn on the BMPCC4K/6K Bluetooth function and record the passcode (picture 1) , enter the passcode on the monitor (Picture 2 and 3) , click “**Pair**” , After successful connection , The Bluetooth icon will be displayed in yellow “**»»**” ;
4. Select “**»»**” to disconnect the Bluetooth connection ;



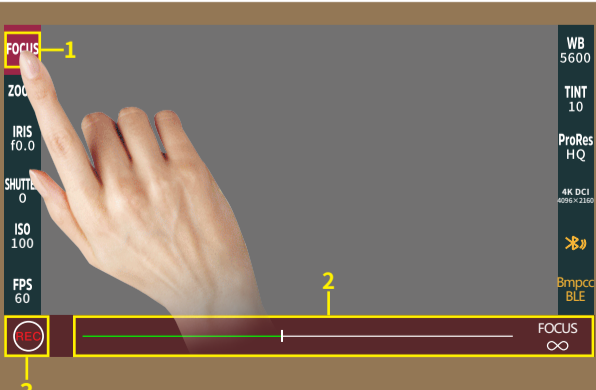
(picture 1)



(picture 2)

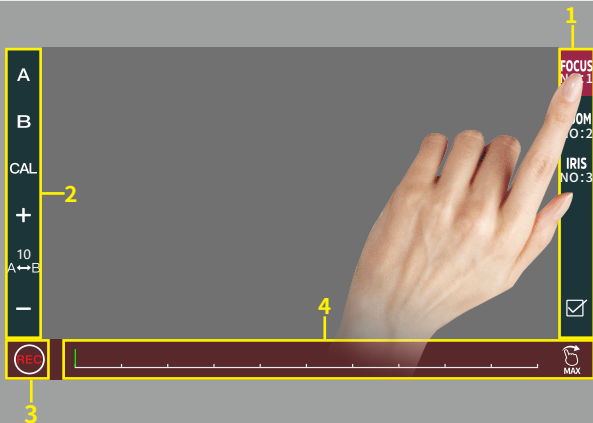


(picture 3)



[FOCUS Setting]

1. Click “**FOCUS**” ;
2. Adjust the parameter on the progress bar ;
3. Record ;



[Motor Setting]

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;