

User manual



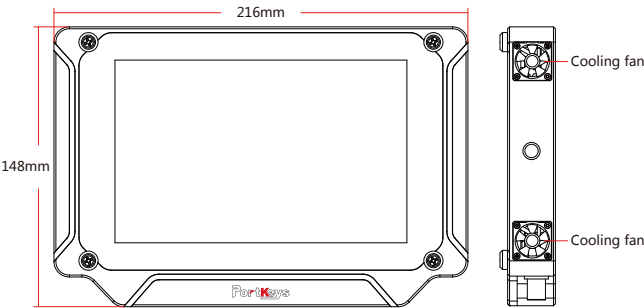
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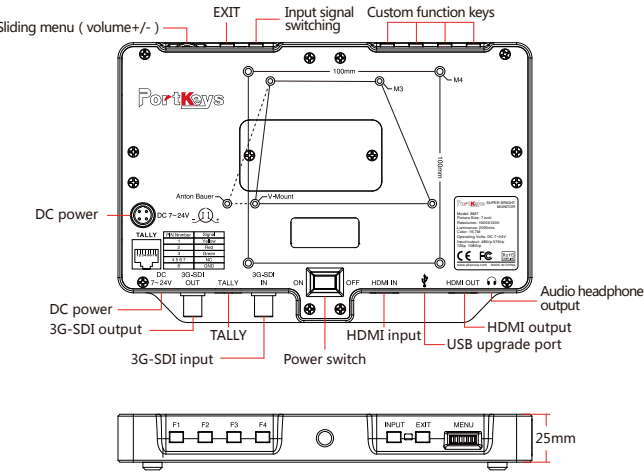
Product appearance size



Standard accessories

- BM7 Monitor *1
- Screen Cleaning Cloth *1
- M2 Inner Hexagon Key (Suitable with M3 Inner Hexagon Screw) *1
- Screen Protector *1
- Aluminium Frame *1
- IDX V Mount Battery Plate *1
- BP6-S Battery Plate *1
- USB Drive *1
- Safety Case *1
- Power Cable 4 Cores Mini Cannon XLR to D-TAP (B ANTON MALE) *1

Parameter



Size	7"
Dimension	216x148x25mm
Viewing Angle	178°H/178°V
Brightness(nit)	2000
Resolution	1920X1200
Contrast Ratio	1200:1
Weight	0.85kg
Color	8bit
Backlight	LED
Material	Aluminum alloy+Toughened glass
Input Voltage	DC 7 ~24V
Power Consumption	12W~26W
Signal input	3G/HD/SD-SDI/HDMI
Signal output	3G/HD/SD-SDI/HDMI
Headphone output / input	Output
Menu Language	简体中文/English

⚠ Operating ambient temperature range : 0℃~40℃

Supported input resolution and frame rate

SDI signal

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 signal

1920×1080p@23.98Hz,24Hz,25Hz,29.97Hz,30Hz,50Hz,50.94Hz,60Hz

1920×1080psf@23.98Hz,24Hz,25Hz,29.97Hz,30Hz

1920×1080i@50Hz,59.94Hz,60Hz

1280×720p@50Hz,59.94Hz,60Hz

720×576i&720×576p@50Hz

720×480i&720×480p@59.94Hz,60Hz

Supported output resolution and frame rate

SDI signal

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 signal

1920×1080p@23.98Hz,24Hz,25Hz,29.97Hz,30Hz,50Hz,50.94Hz,60Hz

1920×1080psf@23.98Hz,24Hz,25Hz,29.97Hz,30Hz

1920×1080i@50Hz,59.94Hz,60Hz

1280×720p@50Hz,59.94Hz,60Hz

720×576i&720×576p@50Hz

720×480i&720×480p@59.94Hz,60Hz

[MAIN]

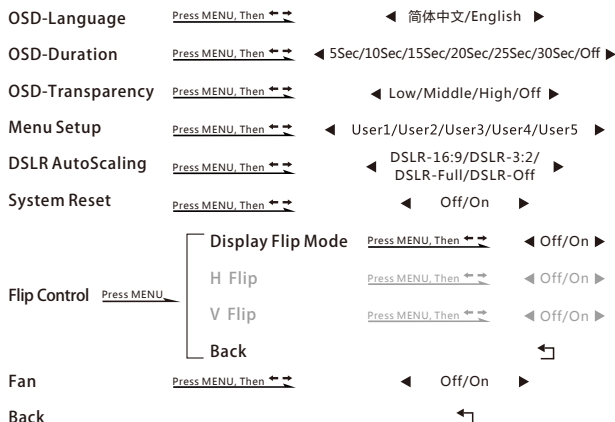
[Guides]

Guides	Press MENU, Then	◀ Off / 80% / 90% / 15:9 / 4:3 / 1.5:1 / 1.85:1 / 2:1 / 2.35:1 / Custom ▶
H (Custom)	Press MENU, Then	◀ 1% ~ 100% ▶
V (Custom)	Press MENU, Then	◀ 1% ~ 100% ▶
Guides Masks	Press MENU, Then	◀ Off/On ▶
Crosshair	Press MENU, Then	◀ Off/On ▶
Grids	Press MENU, Then	◀ 1/2/3/4/5/6/7/8/9/10/Off ▶
back		

[Video Config]

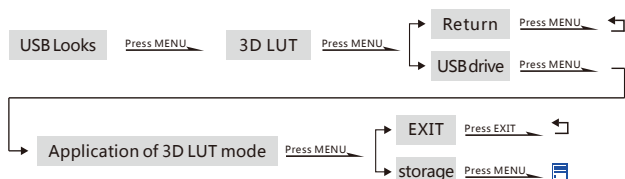
Brightness	Press MENU, Then	◀ 0-100 ▶
Contrast	Press MENU, Then	◀ 0-100 ▶
Chroma	Press MENU, Then	◀ 0~100 ▶
Sharpness	Press MENU, Then	◀ 0-100 ▶
Tint	Press MENU, Then	◀ 0-100 ▶
Color Temperature	Press MENU, Then	◀ 5600K/6500K/7500K/9300K/Manual ▶
Manual	Red	Press MENU, Then ◀ 0~255 ▶
	Green	Press MENU, Then ◀ 0~255 ▶
	Blue	Press MENU, Then ◀ 0~255 ▶
	Back	
Backlight	Press MENU, Then	◀ Low/Middle/High ▶
Aspect	Press MENU, Then	◀ User / Full / 16:9 / 15:9 / 4:3 / 1.5:1 / 1.85:1 / 2:1 / 2.35:1 ▶
User	Aspect	Press MENU, Then ◀ User / Full / 16:9 / 15:9 / 4:3 / 1.5:1 / 1.85:1 / 2:1 / 2.35:1 ▶
	Wide	Press MENU, Then ◀ 50~100 ▶
	Height	Press MENU, Then ◀ 50~100 ▶
	Back	
Back		

[System Config]



[LUT Config]

⚠ Copied the eube format LUT file to the U disk, then insert it to BM7 USB interface.



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[Function Setup]

Function 1 Press MENU

- *Grids*
- *Peaking
- *False Color
- *Zebra
- *UnderScan
- *DSLR Scaling*
- *Waveform*
- *Zooming
- *Audio Meters
- *Check Field*
- *H/V Delay*
- *Guides*
- *Cross Hair
- *HDR Checking

*Note: Set these functions onto custom shortcut keys, the related function setting menu appears after 2 seconds long press.

*Note: Continuous click key to cycle switch.

Function 2 (Same function 1)

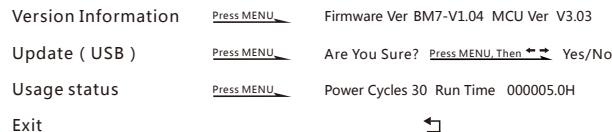
Function 3 (Same function 1)

Function 4 (Same function 1)

Back



[Firmware]



⚠ Please note our official website (www.pkscorp.com) timely update the latest firmware!

[Exit]

*Shortcut keys (hidden menu operation) Operation :

Long press in 3 sec set "**Grids**" onto one custom function key

[Grids Setting]

Grids Press MENU, Then ◀ Off/1/2/3/4/5/6/7/8/9/10 ▶
 Color Press MENU, Then ◀ Red/Green/Blue/Black/White ▶
 Exit ↵

Long press in 3 sec set "**Peaking**" onto one custom function key

[Peaking Setting]

Factor Press MENU, Then ◀ 0-127 ▶
 Color Press MENU, Then ◀ Red/Green/Blue/Black/White ▶
 Exit ↵

Long press in 3 sec set "**False Color**" onto one custom function key

[False Color Setting]

Under Warn. Press MENU, Then ◀ -10 ~ 15 ▶
 Over Warn. Press MENU, Then ◀ 85 ~ 110 ▶
 Tooltip Press MENU, Then ◀ Off/On ▶
 Exit ↵

Long press in 3 sec set "**Zebra**" onto one custom function key

[Zebra Setting]

High Area Press MENU, Then ◀ Off/On ▶
 Factor Press MENU, Then ◀ 128 ~ 255 ▶
 Color Press MENU, Then ◀ Red/Green/Blue/Black/White ▶

Low Area Press MENU, Then ◀ Off/On ▶
 Factor Press MENU, Then ◀ 0 ~ 128 ▶
 Color Press MENU, Then ◀ Red/Green/Blue/Black/White ▶
 Exit ↵

Long press in 3 sec set "**UnderScan**" onto one custom function key

[UnderScan Setting]

Factor Press MENU, Then ◀ 50 ~ 100 ▶
 Exit ↵

Long press in 3 sec set "**Audio Meters**" onto one custom function key

[Audio Meters Setting]

Audio Meters Press MENU, Then ◀ Off/On ▶
 Audio Channel Press MENU, Then ◀ 2 Channel/8Channel ▶
 Position Press MENU, Then ◀ Top/Division/Bottom ▶
 Exit ↵

Long press in 3 sec set "**Zooming**" onto one custom function key

[Zooming Setting]

Position Press MENU, Then ◀ Middle/L+T/R+T/R+B/L+B/User ▶
 X Offset Press MENU, Then ◀ -480 ~ +480 ▶
 Y Offset Press MENU, Then ◀ -270 ~ +270 ▶
 Ratio Press MENU, Then ◀ User/X1.5/X2/2.5/X3 ▶
 H: Press MENU, Then ◀ X1.01 ~ x3.00 ▶
 V: Press MENU, Then ◀ X1.01 ~ x3.00 ▶
 Exit ↵

⚠ The offset value changes along with different input signal resolution.

Long press in 3 sec set "**Guides**" onto one custom function key

[Guides Setting]

Guides	<u>Press MENU, Then</u> ↔	◀ Off/80%/90%/15 : 9/4 : 3/1.5 : 1/1.85 : 1/2 : 1/2.35 : 1/Custom ▶
H (Custom)	<u>Press MENU, Then</u> ↔	◀ 1%-100% ▶
V (Custom)	<u>Press MENU, Then</u> ↔	◀ 1%-100% ▶
Color	<u>Press MENU, Then</u> ↔	◀ Red/Green/Blue/Black/White ▶
Thickness	<u>Press MENU, Then</u> ↔	◀ 0~50 ▶
Guide Masks	<u>Press MENU, Then</u> ↔	◀ Off/On ▶
Exit		↩

Long press in 3 sec set "**Cross Hair**" onto one custom function key

[CrossHair Setting]

Crosshair	<u>Press MENU, Then</u> ↔	◀ On/Off ▶
Color	<u>Press MENU, Then</u> ↔	◀ Red/Green/Blue/Black/White ▶
X Offset	<u>Press MENU, Then</u> ↔	◀ 1%-100% ▶
Y Offset	<u>Press MENU, Then</u> ↔	◀ 1%-100% ▶
Exit		↩

Long press in 3 sec set "**Waveform**" onto one custom function key

[Waveform Setting]

Waveform	<u>Press MENU, Then</u> ↔	◀ Off/Full screen/Four screen/All Types/User Mode ▶
User Mode	↔	Options <u>Press MENU</u> ↗
Luma Waveform	<u>Press MENU</u> ↗	Luma Waveform <u>Press MENU, Then</u> ↔ ◀ Off/On ▶ Position <u>Press MENU, Then</u> ↔ ◀ L+B/M+B/B/R+B/L+T/M+T/R+T/L+C/R+C ▶ Back ↩

RGB Waveform	<u>Press MENU</u> ↗	RGB Waveform <u>Press MENU, Then</u> ↔ ◀ Off/On ▶ Position <u>Press MENU, Then</u> ↔ ◀ L+B/M+B/B/R+B/L+T/M+T/R+T/L+C/R+C ▶ Back ↩
VectorScope	<u>Press MENU</u> ↗	VectorScope <u>Press MENU, Then</u> ↔ ◀ Off/On ▶ Position <u>Press MENU, Then</u> ↔ ◀ L+B/M+B/B/R+B/L+T/M+T/R+T/L+C/R+C ▶ Back ↩
Luma Histogram	<u>Press MENU</u> ↗	Luma Histogram <u>Press MENU, Then</u> ↔ ◀ Off/On ▶ Position <u>Press MENU, Then</u> ↔ ◀ L+B/M+B/B/R+B/L+T/M+T/R+T/L+C/R+C ▶ Back ↩
RGB Histogram	<u>Press MENU</u> ↗	RGB Histogram <u>Press MENU, Then</u> ↔ ◀ Off/On ▶ Position <u>Press MENU, Then</u> ↔ ◀ L+B/M+B/B/R+B/L+T/M+T/R+T/L+C/R+C ▶ Back ↩
Back	<u>Press MENU</u> ↗	↩
Full Screen	↔	Options <u>Press MENU</u> ↗
Options	<u>Press MENU</u> ↗	Full Screen <u>Press MENU, Then</u> ↔ ◀ Luma WF/RGB WF/VectorScope/Luma HIS/RGB HIS ▶ Video Display <u>Press MENU, Then</u> ↔ ◀ Off/On ▶ Back ↩
Blending	<u>Press MENU, Then</u> ↔	◀ 0~100 ▶
SDI WF Mode	<u>Press MENU, Then</u> ↔	◀ On Screen/Output ▶
Exit		↩

Long press in 3 sec set "**HDR Preview**" onto one custom function key

[HDR Preview Setting]

HDR Preview	<u>Press MENU, Then</u> ↔	◀ On/Off ▶
HDR Range	<u>Press MENU, Then</u> ↔	◀ 0~10 ▶

Log formats

Press MENU →

Sony SLog3
Song SLog2
Canon CLog
Canon CLog2
Canon CLog3
Red Log3G10
Pana VLog
Arri LogC 160
Arri LogC 200
Arri LogC 250
Arri LogC 320
Arri LogC 400
Arri LogC 500
Arri LogC 640
Arri LogC 800
Arri LogC 1000
Arri LogC 1280
Arri LogC 1600

Gamuts

Press MENU →

Song SGamut
Sony SGamut3
Sony SGamut3.cine
Arri Alexa Wide Gamut
Panasonic V Gamut
Red Wlde Gamut
Canon Cinema
Rec.2020
DCI-P3 D65
DCI-P3 Theater

Exit



This instruction is prepared in accordance with the software version when it leaves factory, with the software upgrading, software operations after upgrade may differ with the instruction, modifications without notice, please have your understanding.



Press MENU button 3 seconds, appears custom function keys and image configuration information.