

# HS7T

PortKeys

## User manual



Address : No.1406 Cloud Park 3D Longgang District Shenzhen China

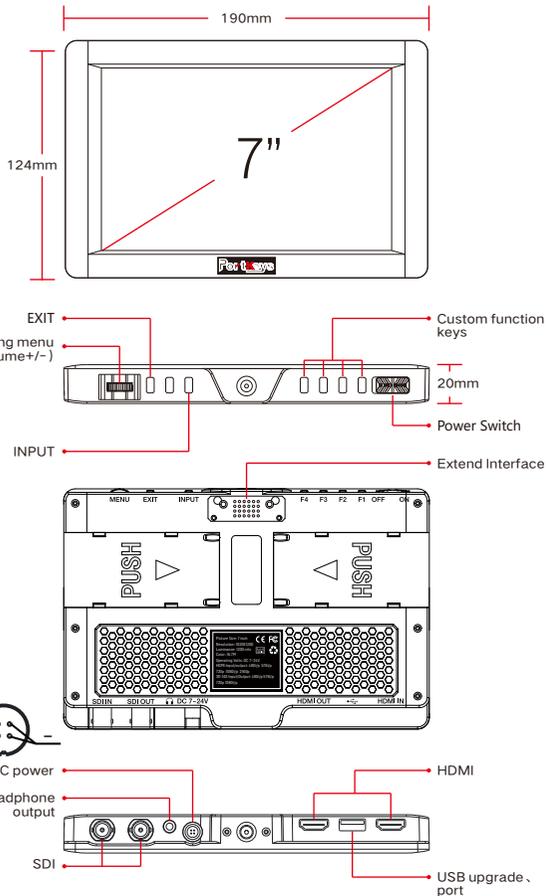
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SHENZHEN PORTKEYS ELECTRONIC TECHNOLOGY CO.,LTD

## Product appearance size



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

## Standard accessories

HS7T Monitor X1	Screen Cleaning Wipe X1
Pocket X1	7" Matte Glass Screen Protector X2
U Disk X1	D-Tap cable to 4-Pin Female Headphone Cable x1

## Parameter

Size	7"
Dimension	190x124x20mm
Viewing Angle	178°H/178°V
Brightness(nit)	1200
Resolution	1920X1200
Contrast Ratio	1200:1
Weight	300g
Color	8bit (16.7M Color)
Backlight	LED
Material	ABS Engineering Plastics
Input Voltage	DC 7 ~24V
Power Consumption	11W
Signal input	3G/HD/SD-SDI, 4K HDMI, HDMI, USB
Signal output	3G/HD/SD-SDI, 4K HDMI, HDMI
Headphone	Output
Menu Language	简体中文/English

## Supported input resolution and frame rate

### SDI Signal

1920×1080p@50fps,59.94fps,60fps

1920×1080p@50Hz,59.94Hz,60Hz YUV422

1920×1080p@23.97Hz,24Hz,25Hz,29.94Hz,30Hz YUV444/YUV422/RGB444

1920×1080psf@23.97Hz,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

4096×2160p@24Hz

3840×2160p@23.97Hz,24Hz,25Hz,29.97Hz,30Hz

1920×1080p@23.97Hz,24Hz,25Hz,29.97Hz,30Hz,50Hz

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 output resolution and frame rate

### SDI Signal

1920×1080p@50fps,59.94fps,60fps

1920×1080p@50Hz,59.94Hz,60Hz YUV422

1920×1080p@23.97Hz,24Hz,25Hz,29.94Hz,30Hz YUV444/YUV422/RGB444

1920×1080psf@23.97Hz,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

4096×2160p@24Hz

3840×2160p@23.97Hz,24Hz,25Hz,29.97Hz,30Hz

1920×1080p@23.97Hz,24Hz,25Hz,29.97Hz,30Hz,50Hz

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

## [MAIN]

### [Guides]

Guides

Press MENU, Then  

◀ Off/80%/90%/15:9/1.33:1/  
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% ▶

Guide 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  

◀ 0/10/20/30/40/50/60/70/80/90/100 ▶

Tint

Press MENU, Then  

◀ 0 ~ 100 ▶

Color Temperature

Press MENU, Then  

◀ 5600K/6500K/7500K/9300K/Manual ▶

Manual  Press MENU

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/  
1.33:1/1.5:1/1.85:1/2:1/2.35:1 ▶

User  Press MENU

Aspect Press MENU, Then  

◀ User/Full/16:9/15:9/  
1.33:1/1.5:1/1.85:1/2:1/2.35:1 ▶

Wide Press MENU, Then  

◀ 50 ~ 100 ▶

Height Press MENU, Then  

◀ 50 ~ 100 ▶

Back



Back



### [System Config]

OSD-Language Press MENU, Then <> 简体中文/English >

OSD-Duration Press MENU, Then <> 5Sec/10Sec/15Sec/20Sec/25Sec/30Sec/Off >

OSD-Transparency Press MENU, Then <> Low/Middle/High/Off >

Menu Setup Press MENU, Then <> User1/User2/User3/User4/User5 >

System Reset Press MENU Are you sure? Press MENU, Then <> Yes/No >

Flip Control Press MENU

- Display Flip Mode Press MENU, Then <> Off/On >
- H Flip Press MENU, Then <> Off/On >
- V Flip Press MENU, Then <> Off/On >
- Osd Flip Mode Press MENU, Then <> Off/On >
- H Flip Press MENU, Then <> Off/On >
- V Flip Press MENU, Then <> Off/On >
- Back <>

Low Battery ALM Press MENU, Then <> Off/On >

Back <>

### [LUT Config]

**⚠** Copied the cube format LUT file to the U disk, then insert it to HS7T USB interface.

Stored from USB Press MENU

- Stored LUT configuration Press MENU <> Select LUT file >
- Back <>

USB Looks Press MENU 3D LUT Press MENU

- Return Press MENU <>
- USB drive Press MENU <>

Apply 3D LUT mode and it will be saved automatically to "user storage" Press MENU EXIT Press EXIT <>

\*LUT file could be stored repeatedly, to delete, please enter the user storage interface and delete it by the above steps. LUT file format Cube, support 16/17/32/33/64/65 precision (LUT\_3D\_SIZE).

**LUT File Deletion** (Needs to be performed in the state of access signal)

Stored from USB Press MENU Stored LUT configuration Hold the MENU Delete Are you sure? <> Yse/No >

Back <>

### [Function Setup]

Function 1 Press MENU

- \*Audio Meters
- 5D II Rec
- \*Pixel To Pixel
- Brightness\*
- Contrast\*
- Chroma\*
- Sharpness\*
- Tint\*
- Color Temperature\*
- Aspect\*
- Backlight\*
- Display Flip
- Osd Flip

- Check Field\*
- H/V Delay\*
- \*Guides\*
- \*Cross Hair
- \*Grids\*
- \*Peaking
- \*Programmable False Color
- \*Clip Guide
- \*UnderScan
- DSLR Scaling\*
- \*Histogram
- \*Easy to Zoom in/out

Function 2 (Same function 1)  
 Function 3 (Same function 1)  
 Function 4 (Same function 1)  
 Back <>

\* Note: Set these functions in the custom shortcut function key, long press in 3 seconds to display the menu of this function.

\* Note: Continuous click on the button, you can cycle switch.

\* Note: Click on the button and toggle the wheel to adjust parameters.

### [Firmware]

Version Information Press MENU Firmware Ver HS7T-V1.01.18

Update (USB) Press MENU Are you sure? Press MENU, Then <> Yes/No >

Back <>

**⚠** Please pay attention to the official website ([www.pkscorp.com](http://www.pkscorp.com)) update the latest firmware!

**[Exit]****\*Shortcut keys (hidden menu operation) Operation:**Long press in 3 sec set "**Audio Meters**" onto one custom function key**[Audio Meters]**

Audio Meters	Press MENU, Then $\leftarrow \rightarrow$	◀ On/Off ▶
Position	Press MENU, Then $\leftarrow \rightarrow$	◀ Top/Left/Division/Right/Bottom ▶
Blending	Press MENU, Then $\leftarrow \rightarrow$	◀ 0~100 ▶
Exit		↶

Long press in 3 sec set "**Pixel To Pixel**" onto one custom function key**[Pixel To Pixel Setting]**

Position	Press MENU, Then $\leftarrow \rightarrow$	◀ Middle/L+T/R+T/R+B/L+B/User ▶
X Offset	Press MENU, Then $\leftarrow \rightarrow$	◀ -240~+240 ▶
Y Offset	Press MENU, Then $\leftarrow \rightarrow$	◀ -240~+240 ▶
Exit		↶

⚠ The resolution of the input signal is different and the offset value changes.

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

Guides	Press MENU, Then $\leftarrow \rightarrow$	◀ Off/80%/90%/15:9/1.33:1/1.5:1/1.85:1/2:1/2.35:1/Custom ▶
H (Custom)	Press MENU, Then $\leftarrow \rightarrow$	◀ 1%-100% ▶
V (Custom)	Press MENU, Then $\leftarrow \rightarrow$	◀ 1%-100% ▶
Color	Press MENU, Then $\leftarrow \rightarrow$	◀ White/Red/Green/Blue/Black ▶
Thickness	Press MENU, Then $\leftarrow \rightarrow$	◀ 0~50 ▶
Guide Masks	Press MENU, Then $\leftarrow \rightarrow$	◀ Off/On ▶
Exit		↶

Long press in 3 sec set "**Cross Hair**" onto one custom function key**[CrossHair Setting]**

Crosshair	Press MENU, Then $\leftarrow \rightarrow$	◀ On/Off ▶
Color	Press MENU, Then $\leftarrow \rightarrow$	◀ White/Red/Green/Blue/Black ▶
X Offset	Press MENU, Then $\leftarrow \rightarrow$	◀ 0%~100% ▶
Y Offset	Press MENU, Then $\leftarrow \rightarrow$	◀ 0%~100% ▶
Exit		↶

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

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

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

Factor	Press MENU, Then $\leftarrow \rightarrow$	◀ 1/2/3/4/5/6/7/8/9/10 ▶
Color	Press MENU, Then $\leftarrow \rightarrow$	◀ 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 $\leftarrow \rightarrow$	◀ -10 ~ 15 ▶
Over Warn	Press MENU, Then $\leftarrow \rightarrow$	◀ 85 ~ 110 ▶
Tooltip	Press MENU, Then $\leftarrow \rightarrow$	◀ Off/On ▶
Exit		↶

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

**[Clip Guide Setting]**

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

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

**[UnderScan Setting]**

Fator	<u>Press MENU, Then</u>  	◀ 50 ~ 100 ▶
Exit		

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

**[Histogram Setting]**

Position	<u>Press MENU, Then</u>  	◀ R+B/L+B/L+T/R+T ▶
Size	<u>Press MENU, Then</u>  	◀ Small/Large ▶
Transparent	<u>Press MENU, Then</u>  	◀ On/Off ▶
Exit		

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

**[Zooming Setting]**

Position	<u>Press MENU, Then</u>  	◀ Middle/L+T/R+T/R+B/L+B/User ▶
X Offset	<u>Press MENU, Then</u>  	◀ -480 ~ +480 ▶
Y Offset	<u>Press MENU, Then</u>  	◀ -270 ~ +270 ▶

Ratio	<u>Press MENU, Then</u>  	◀ User/X1.5/X2/2.5/X3 ▶
H:	<u>Press MENU, Then</u>  	◀ X1.01 ~ x3.00 ▶
V:	<u>Press MENU, Then</u>  	◀ X1.01 ~ x3.00 ▶
Exit		

 The resolution of the input signal is different and the offset value changes.

Long press in 3 seconds "MENU" button to display the custom function key and image configuration information

 This manual is prepared based on the software version installed at the factory. With the continuous upgrade of the software, the software operation after the upgrade may be different from the book, and it will be changed without further notice, please have your understanding.

