

# User Guide



# IMPORTANT SAFETY INSTRUCTIONS

- Please read User Guide before using this product.
- Please keep User Guide for future reference.
- Please read the cautions to prevent possible danger and loss of property.

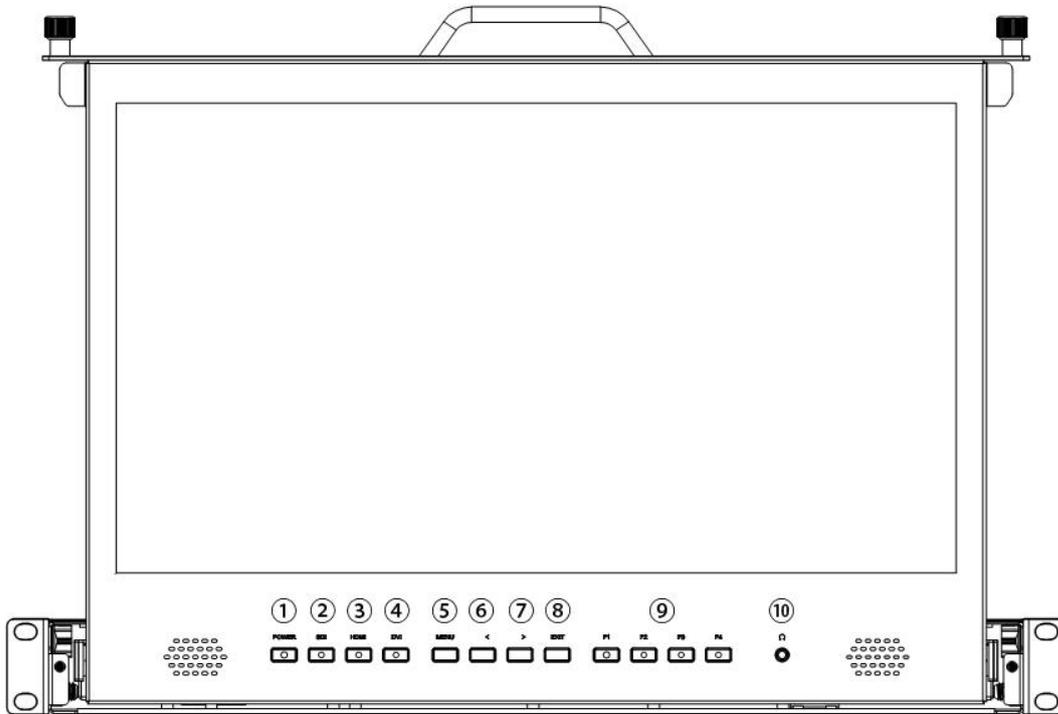
## CAUTIONS

- Please do not place the display screen towards the ground.
- Please avoid heavy impact or drop onto the ground.
- Please do NOT use chemical solutions to clean this product.  
Please wipe with a clean soft cloth to maintain the brightness of the surface.
- Please do not block any vent hole.
- Please follow the instructions and trouble-shootings to adjust the product. Other improper adjustment may result in damage. Any further adjustment must be performed or conducted by a qualified technician.
- Please unplug the power and remove the battery if long-term no-use, or thunder weather.

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# 1. PRODUCT DESCRIPTION



1. **POWER:** Power ON/OFF.
2. **SDI:** Signal switch to SDI mode when light on.
3. **HDMI:** Signal switch to HDMI mode when light on.
4. **DVI:** Signal switch to DVI mode when light on.
5. **MENU**  
 Press to enter menu.  
 Press to enter option in the menu.
6. **<**  
 Select option in the menu.  
 Decrease the option value.  
 Before enter the menu, single press to activate volume, press again to

switch among of volume, brightness, contrast, color, hue, sharpness and backlight.

7. >

Select option in the menu.

Increase the option value.

8. **EXIT:** Back or exit.

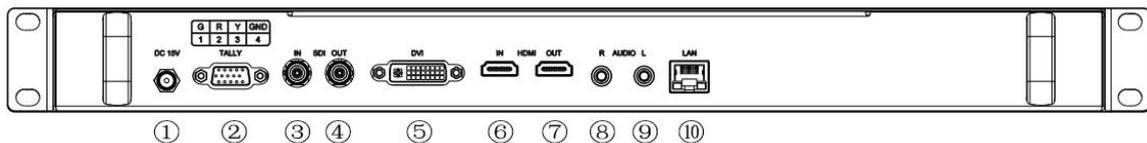
9. **F1~F4 User definable buttons**

Default function options:

F1 Scan      F2 Waveform      F3 Aspect      F4 Aspect Marker

**(functions can be customized by long keep pressing any one of the 4 buttons)**

10. Earphone jack



1. DC power port.

2. TALLY connector.

3. SDI input port.



4. SDI output port.

Screen #1	Tally
1	Green Light
2	Red Light
3	Yellow Light
4	Ground

5. DVI input port.

6. HDMI input port.

7. HDMI output port.

8. Audio R

9. Audio L

10. LAN port. (Connected to PC network interface for function adjustment.)

## 2. MENU SETTING

Please check whether the device is connected well or not.

### 2-1. Shortcut keys:

#### 2-1-1. Function menu

Under non menu screen, press < / > buttons to activate volume bar.

Use "< / >" buttons to select the desired option, then press the "MENU" button to select brightness, contrast, saturation, tint, sharpness, volume or Exit.

#### 2-1-2. F1-F4 4 user-definable function buttons:

Long keep pressing any one of the 4 buttons for 3-5 seconds to activate shortcut menu setting. Option selected will be highlighted as white, option will be highlighted as yellow, unavailable option will be highlighted as gray.

Select option via "< / >" buttons.

Then press "MENU" button to confirm to set as default option.



Center Marker  
Aspect Marker  
Check Field  
Underscan  
Scan  
Aspect  
DSLR  
Freeze  
H/V Delay  
Peaking  
False Color  
Exposure  
Histogram  
Level Meter  
Waveform  
TimeCode

Functions of F1-F4 buttons can also be customized: Center Marker, Aspect Marker, Check Field, Underscan, Scan, Aspect, DSLR, Freeze, H/V delay, Peaking, False Color, Exposure, Histogram, Level Meter, Waveform and Time Code.

F1-F2: 2 user-definable function buttons

**Default function:**

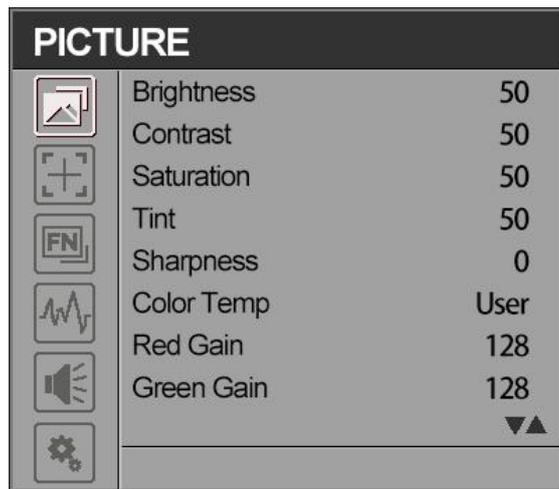
**F1 Scan      F2 Waveform      F3 Aspect      F4 Aspect Marker**

## 2-2. MENU Operation

When power on, press "**MENU**" on the device. The menu of function setting will display on the screen.

Select left or right to choose menu, and press to confirm, and then press EXIT to return.

### 2-2-1. Picture



ITEMS	OPTIONS
Brightness	0 – 100
Contrast	0 – 100
Saturation	0 – 100
Tint	0 – 100
Sharpness	0 – 100

Color Temp	5500°K /6500°K/7500°K/9300°K/User		
	Red Gain	0 – 255	Note: Available only under “User” mode to choose the color value you need.
	Green Gain	0 – 255	
	Blue Gain	0 – 255	
	Red Offset	0 – 511	
	Green Offset	0 – 511	
	Blue Offset	0 – 511	

### 2-2-2. Marker



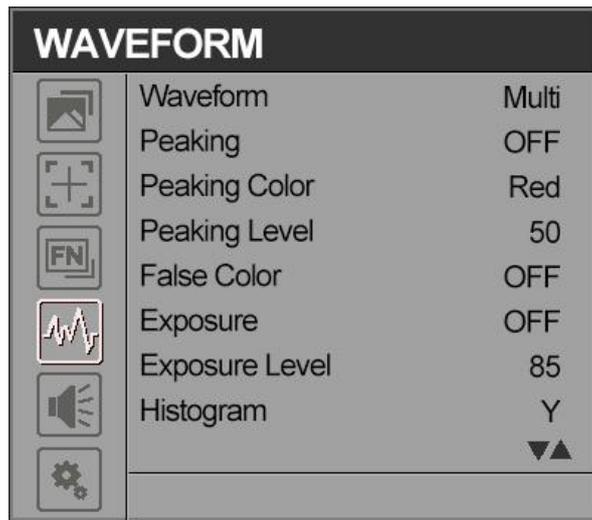
ITEMS	OPTIONS
Center Marker	OFF, ON
Aspect Marker	OFF, 16:9, 1.85:1, 2.35:1, 4:3, 3:2
Safety Marker	OFF, 95%, 93%, 90%, 88%, 85%, 80%
Marker Color	Red, Green, Blue, White, Black
Marker Mat	OFF, 1– 7
Thickness	2, 4, 6

## 2-2-3. Function

FUNCTION		
	Scan	Zoom
	Aspect	Full
	Underscan	OFF
	H/V Delay	OFF
	Check Field	OFF
	Zoom	60%
	Freeze	OFF
	DSLR	OFF
		▼▲

ITEMS	OPTIONS
Scan	Zoom, Aspect, Pixel TO Pixel <b>(Options can be adjusted only under scan mode.)</b>
Aspect	Full, 16:9, 1.85:1, 2.35:1, 4:3, 3:2
Underscan	OFF, ON
H/V Delay	OFF, H, V, H/V
Check Field	OFF, Red, Green, Blue
Zoom	10%~90% <b>(step value is 10%)</b>
Freeze	OFF, ON
DSLR	OFF, 5D2, 5D3
3G Format	Normal, GBRA444 10Bit, YCbCrA444 10Bit, YCbCrA422 12Bit, GBR444 12Bit, YCbCr444 12Bit <b>(Available under SDI mode only.)</b>

## 2-2-4. Waveform



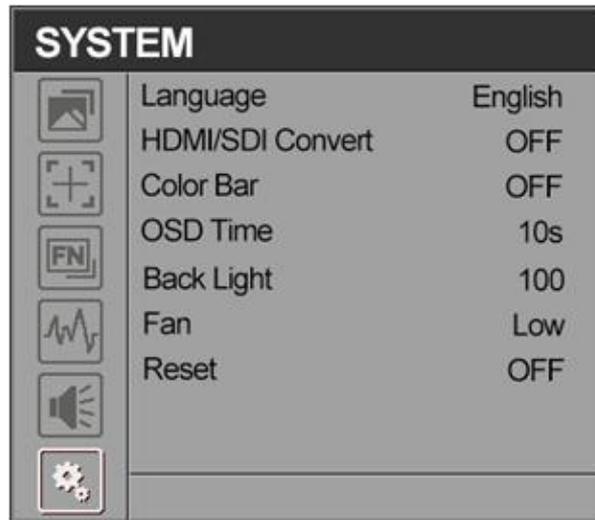
ITEMS	OPTIONS
Waveform	Multi, Y, YCbCr, RGB, OFF
Peaking	OFF, ON
Peaking Color	Red, Green, Blue, White
Peaking Level	0 – 100
False Color	OFF, ON
Exposure	OFF, ON
Exposure Level	0 – 100
Histogram	Y, RGB, Color
Time Code	OFF, LTC, VITC ( <b>available under SDI mode only.</b> )

## 2-2-5. AUDIO



ITEMS	OPTIONS
Volume	0 – 100
Level Meter	OFF, ON (default as <b>ON</b> under waveform multi function.)
Audio Ch	Ch1&Ch2, Ch3&Ch4, Ch5&Ch6, Ch7&Ch8, Ch9&Ch10, ChH11&Ch12, Ch13&Ch14, Ch15&Ch16 <b>(available under SDI mode only.)</b>

## 2-2-6. SYSTEM

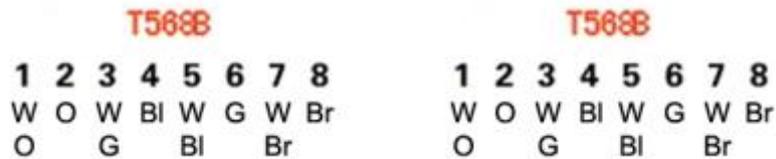


ITEMS	OPTIONS
Language	English, Chinese
HDMI/SDI Convert	OFF, ON
Color Bar	OFF, 100%, 75%
OSD Timer	10s, 20s, 30s
Back Light	0 – 100
Fan	Low, High
Reset	OFF, ON

**\*HDMI/SDI cross conversion function can realize signal transmits from SDI input to HDMI output and from HDMI input to SDI output.**

# 3. LAN PORT

## 3-1. Cross-connection network cable.



**Note:** W: white, G: green, O: orange, Bl: blue, Br: brown

- 1) Connect LAN Port on the device to PC network interface by using network cable.
- 2) Install the Net framework (The device uses OS Win 8 and above do not need to be installed as it ships with this framework.)

Note: The device uses OS below Win 8 need to be pre-installed framework "dotNetFx40\_Full\_x86\_x64.exe".

- 3) Installation Notes

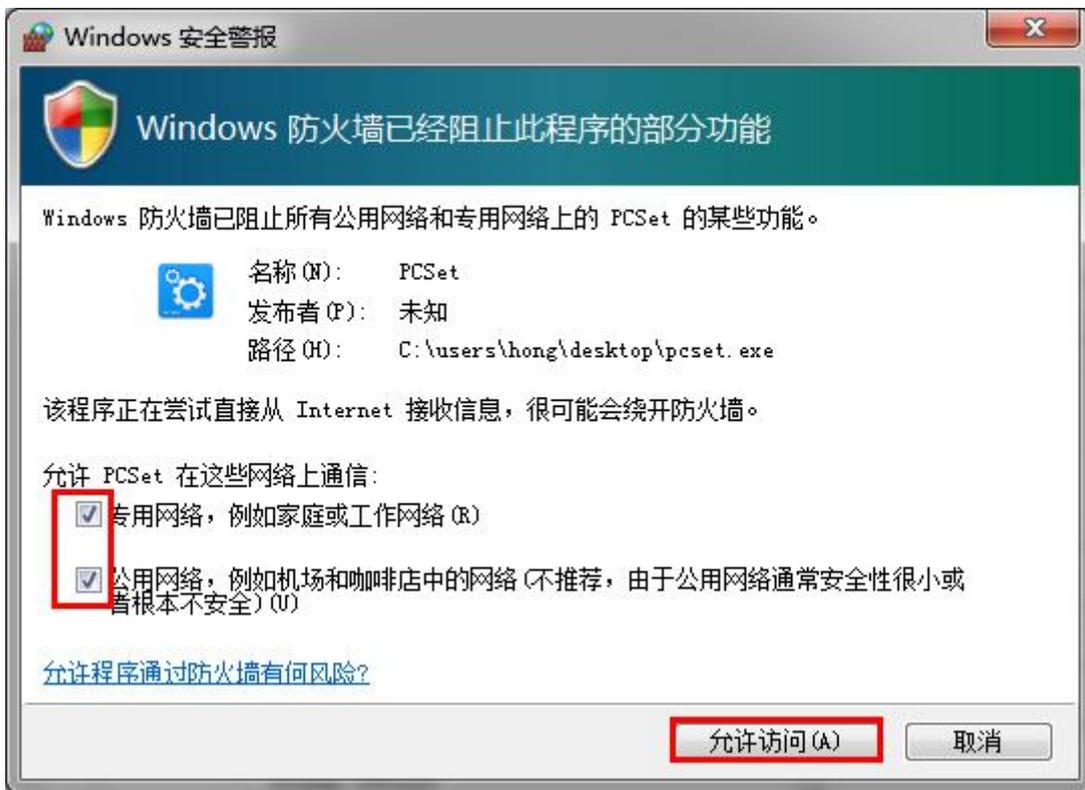


Fig. 1 Set the firewall to allow access

### 3-2. Software Setup

#### 1) Software Setup

Open the software, it displays related IP address on the left of pop-up window if the device is connected successfully.

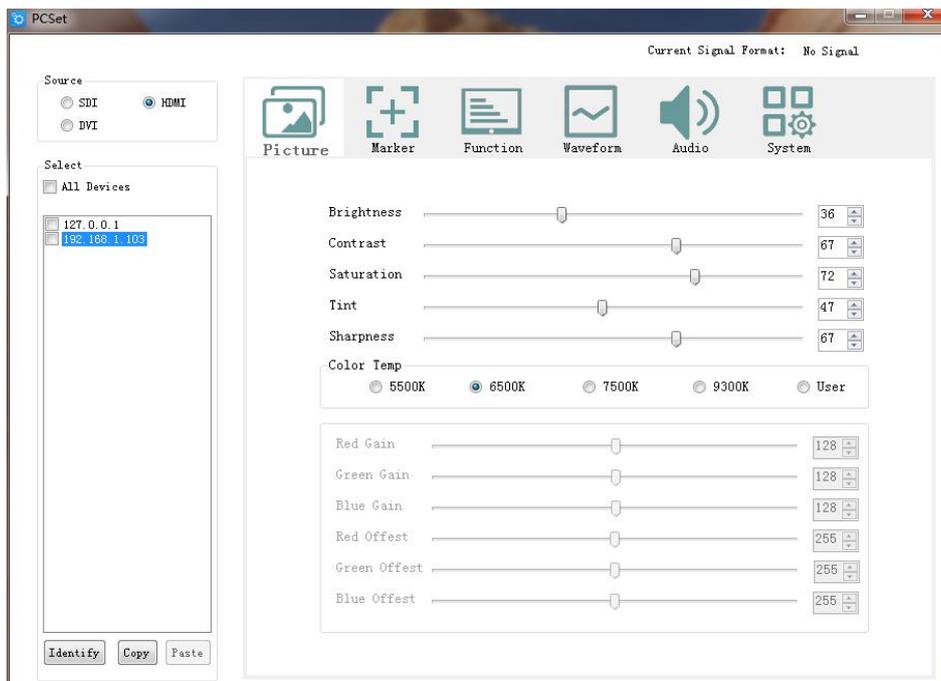


Fig. 2 Software Setup

## 2) PC SET Instruction

### 1. Source Zone:

To check and setup the selected Source. The settable parameters will be different for different Sources.

### 2. Select Zone:

The software will read the data from the device which IP address marks as blue. Left click this IP address to select which device to be read. After selection, the user can change the Settings to setup the selected device. (Send to multiple devices is unavailable.)

### 3. Identify Button:

Click to send the Identify to the selected device. The display screen will display the IP address. (Send to multiple devices is available.)

### 4. Copy & Paste Button:

Using Copy Button with Paste Button to read and save data get from the device which IP address marks as blue. The copied data can be saved until the process closed.

After copy the data from the display device, click Paste Button to save it. The data can be sent to selected multiple devices.

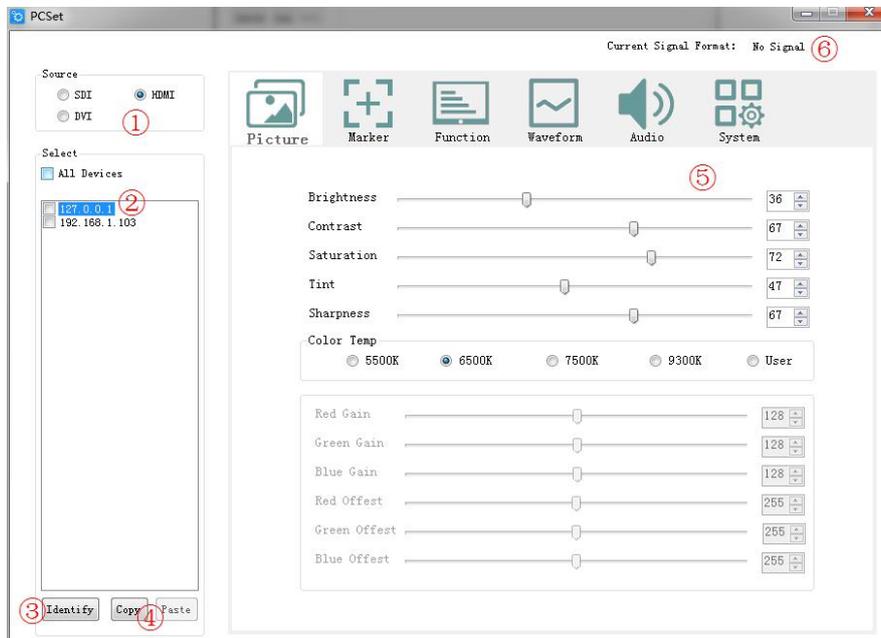


Fig. 3 PC Set

### 5. Parameter Zone:

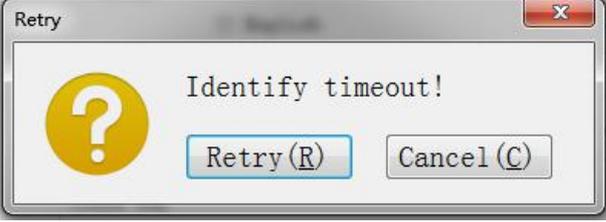
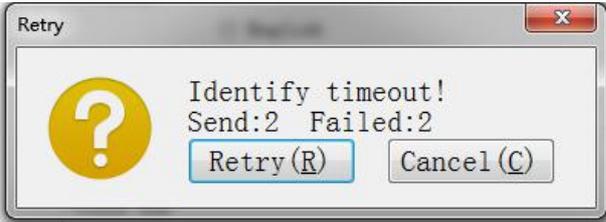
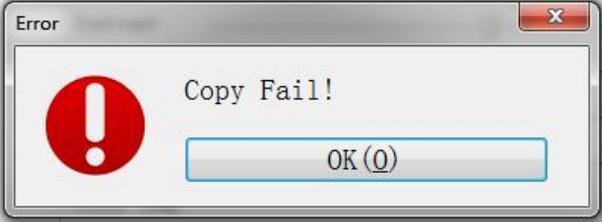
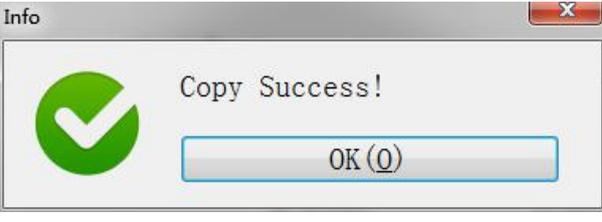
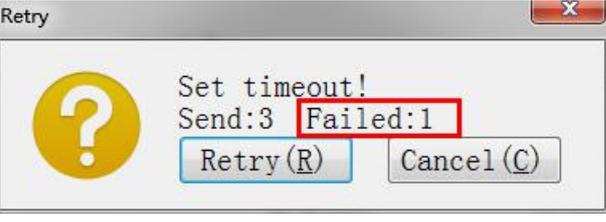
The Parameter Zone includes Picture, Marker, Audio, Function, Waveform, System. See the software interface for the details.

### 6. Current Signal Format

Displays the current signal format. It will refresh if the current signal changed.

### 3-3. Prompt Box Instruction

Operation	Result	Prompt Box display
No Device	Prompt	
Inquire Or	Timeout	

192.168.1.103	Success	NONE
Identify (Multiple operations is available.) <input type="button" value="Identify"/>	No device selected	
	Timeout	 
	Success	NONE
Copy <input type="button" value="Copy"/>	Fail	
	Success	
Paste (Multiple operations is available.) <input type="button" value="Paste"/>	No device selected	
	Failed	

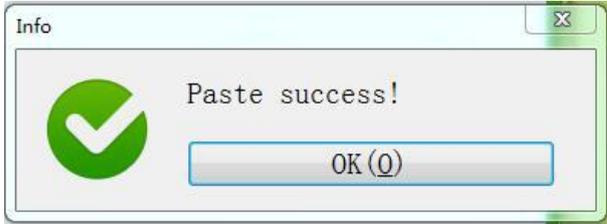
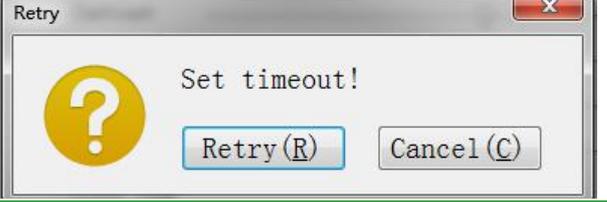
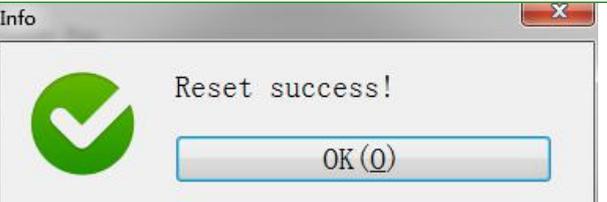
	Success	
<b>Parameters set up</b> 	Timeout	
	Success	无
<b>Reset</b> 	Confirm	
	Timeout	
	Success	

Table 1. Prompt Box Instruction

### 3-4. Retry Prompt Instructions

#### 3-4-1. Retry Button (Shortcut R)

If click this button repeatedly, the data will be sent repeatedly.

#### 3-4-2. Cancel Button (Shortcut C)

Click Cancel Button or Shortcut C to delete the data which is going to be sent.

#### 3-4-3. If no operation, the prompt box will disappear automatically

after 10 seconds.

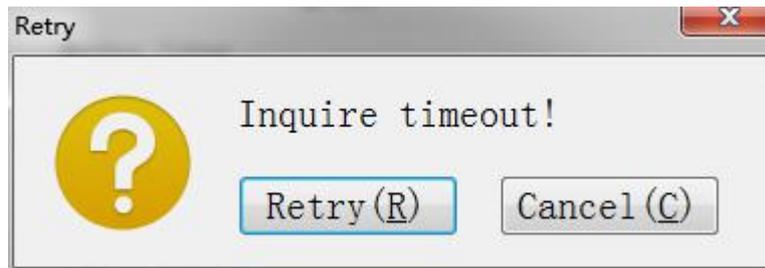


Fig.4 Retry Prompt Instruction

(Take Inquire timeout as an example)

## 4. ACCESSORIES



- |                             |         |
|-----------------------------|---------|
| 1. 15V DC adapter           | 1 piece |
| 2. TALLY connector(in bulk) | 1 piece |
| 3. Manual                   | 1 copy  |

## 5. PARAMETERS

Panel	17.3" IPS
Resolution	1920×1080
Aspect Ratio	16:9
Brightness	300cd/m <sup>2</sup>
Contrast	700:1
Viewing Angle	178°/ 178°(H/V)
Input Voltage	DC 12~18V (XLR)
Input Signal	3G-SDI, HDMI, DVI or Audio
Output Signal	3G-SDI, HDMI
Power Signal	≤ 32W
Operating Temperature	-0°C~50°C
Storage Temperature	-20°C~60°C
Dimension (LWD)	482.5×44×507.5mm
Weight	8.6kg

## 6. TROUBLE SHOOTING

1. Only black-and-white display.

Check whether the color saturation is properly setup or not.

2. Power on but no pictures.

Check whether the cables of HDMI, DVI and 3G-SDI are correctly connected or not. Please use the standard power adapter coming with the product package. Improper power input may cause damage.

3. Wrong or abnormal colors.

Check whether the cables are correctly and properly connected or not.  
Broken or loose pins of the cables may cause a bad connection.

4. When on the picture shows size error.

Press "MENU → Function → Underscan" to zoom in/out pictures automatically when receiving HDMI signals

5. Other problems.

Please press "MENU" button and choose "MENU→System→ Reset →confirm"

6. According to the ISP, the machine cannot function properly.

ISP for program upgrades, non-professionals do not use. Please reboot your device if press accidentally!

7. No Sound.

Press HDMI button if no sound; if still unavailable, please contact the technician.

8. No signal displayed when connecting with HDMI 1

Please long press HDMI 1 button for 3-5 seconds to activate HDMI signal.

**Note: due to constant effort to improve products and product features, specifications may change without notice.**