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Product Brief

The new function projector of D8H/D8HD has the unique function of direct TV signal input. It integrates TV playing, AV playing and VGA signal input, even with Scart, YPbPr, SD card, USB, HDMI, DVB-T signal input, with fine and novel appearance and shape. It is convenient and handy. With the function of image keystone correction, it is suitable for multi-angle playing. With the screen rotation function, it can place on the table or hang on the ceiling. The aspect ratio of 16:9 super wide screen makes you feel watching films at home, so you can enjoy the real home theater. D8H/D8HD is the best AV product designed for commercial, teaching, entertainment and household using.

For your own safety, and in order to use the projector more conveniently and in a correct way, please read the user's manual carefully before you use the D8 series(D8H/D8HD), and keep them handy for future reference.

Safeguards



Important safeguard



Warning

Intense light source. Do not look into the lens or view it directly. Be especially careful that children do not look directly into the lens.

Warning

To reduce the risk of fire or electric shock, do not expose the appliance to liquids.

Warning

Forbid to touch high temperature area on the bulb box. Ask the specialist to replace the lamp when you need. Consult the "bulb replacement" in the user manual if you replace it yourself. If you have any problem, please contact us or

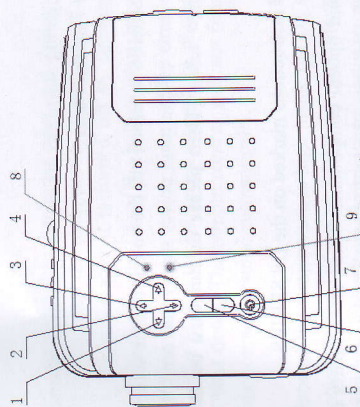
Warning

To reduce the risk of fire or electric shock, do not dismantle the cabinet. There is no user-serviceable parts inside. Contact us or the dealer when needed.

1. The D8 series(D8/D8H/D8HD) uses special light source of discharging gas. Please do not turn on or off D8 series frequently. Every turn on/off interval should be more than 30 minutes. Otherwise, it may damage the bulb easily and make it unworkable. When the bulb automatically turns on and off or its brightness is obviously weak, please replace the bulb.
2. Wait for more than 7 minutes after you shut down D8 series with the remote control. Then disconnect the D8 series from the main power supply after the fan stops. Please wait for more than 3 minutes to turn on the D8 series after it is turned off by pressing "power" or shut down abnormally. Otherwise it would directly shorten the life of the bulb or even damage the bulb.
3. In order to cool the D8 series adequately, please stop using the remote control for 2 minutes after D8 series is shut down. The remote control will not function within 2 minutes. 2 minutes later, the remote control function will resume automatically.
4. Because the temperature is high inside the D8 series bulb box, exhaust vents are distributed in the side and bottom of the D8 series. Make sure not block up, cover or fill in things into the vents, and also avoid touching high voltage electricity or circuit in order not to damage D8 series or cause an accident.
5. There are protective circuits and alarming device inside the D8 series. When the internal temperature rises caused by improper environment or blocked vents, the projector will alarm automatically. At this time, the projector should be shut down.
6. As the LCD has a particular characteristic of sequence reversal, when the contrast is not in consistency with the brightness, there will appear a few bright frames in the screen, which is normal.
7. When there is some light spots or black dots in the image, please enjoy the D8 series at ease as it will not affect the D8 series's function at all. According to international inspection standard(less than 8 dots), it is normal.
8. The D8 series will work normally under normal surrounding temperature. When the surrounding temperature is too high, round black spot will appear and become bigger and bigger in the image during playing, please turn off the D8 series so as to avoid damaging the LCD chip.
9. Please don't put the D8 series onto or near calorific and hot objects, or put it into airtight cabinet. Do not put it in the ventilated place!
10. Avoid using D8 series in condition of moisture, high-temperature, vibrancy, dust and radiation. When it needs to be moved, please take or put it gently!
11. When the D8 series is installed hanging on the ceiling, it is advised to use outlet with a switch, which can be used to turn off the main power supply after the D8 series is turned off.
12. When the D8 series needs to be installed hanging, please refer to picture(2)
13. The lens of D8 series is high precision optical apparatus, please do not touch with a hand and avoid other things touching it. When the D8 series leaves unused for a long time, please cover the lens with its lid, so as to avoid hurting the lens(lens lid is equipped with the D8 series)
14. In order to minimize the unnecessary abrasion of the crust of the D8 SERIES, using remote control to operate each function is advised.
15. In order to avoid damages of internal machine, when lighting storm occurs or voltage waves, please turn off the D8 SERIES, and pull out the plug from the outlet 7 minutes later.
16. If the D8 SERIES has been used for years, after the D8 SERIES is turned off, the bulb is on, the screen still appears light. This situation might happen. Then please turn off the main power supply and send the D8 SERIES to our authorized repair station to change a new relay. **(Then please do not turn on the D8 SERIES again, so as to avoid any accident.)**
17. Please use the D8 SERIES according to all warnings and instructions marked on the D8 SERIES.
18. D8 SERIES is composed of many precise electronic and optical components. There are no parts of an apparatus that can be maintained or adjusted by yourself. Disassembling will damage it and please do not open it. If abnormal problem occurs, please contact us or dealers immediately! If disassembling it by yourself, free guarantee and repair service will be invalid.

Appearance introduction

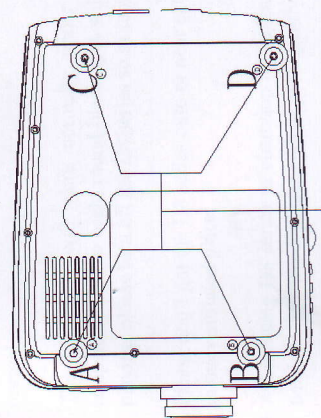
Top view



1. Channel +
2. Volume -
3. Volume +
4. Channel -
5. System function menu
6. input signal switch(AV/TV/VGA etc. input signal switch)
7. ON/OFF button
8. Lamp indicator
9. Power indicator

(Picture 1)

Bottom view



Hoisting Screw rod (Tell you how to hang the projector to ceiling: fix the 4 feet of mount to the projector 4 feet hole, then ok)

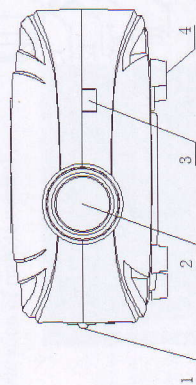


Note: When hoisting the machine, the length of the screw rod in position A B C D used for hoisting

hole should not exceed 10mm, to avoid an electric shock when the plastic enclosure is broken and the rod touched the high-tension electricity inside the machine.

(Picture 2)

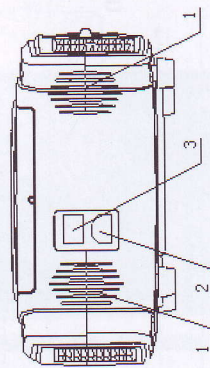
Front View



1. Keystone correction knob
2. Lens
3. Remote sensor
4. Tilt adjuster

(Picture 3)

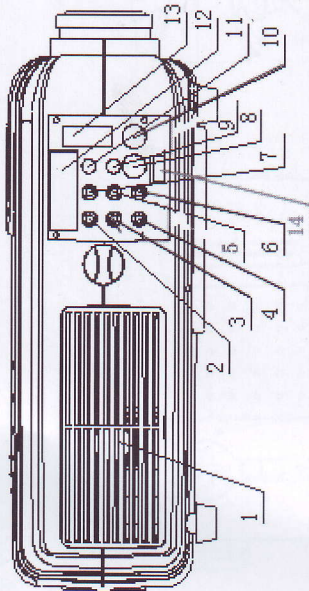
Back View



1. Speaker vent
2. Power socket
3. Power switch

(Picture 4)

Left Side View



- 1. Exhaust vent
- 2. Right audio input (Red)
- 3. Right audio input (Red)
- 4. Left audio input (White)
- 5. Video input (Yellow)
- 6. Pb (Blue)
- 7. Y (Green)
- 8. Pr (Red)
- 9. TV/DVB-T
- 10. Right audio output (Red)
- 11. S-Video input
- 12. Left audio output (White)
- 13. Scart input
- 14. VGA input

Note: AV output(only on TV) (Picture 5)

Operation Introduction

Operation procedure

1) Power on & off

Place the D8 SERIES in a proper position, plug in the power cord, and turn on the mains switch. Now the power indicator should be red; you can just press the POWER button. When the power is on, the power indicator turns to green. (Note: When the power cord is plugged in, the mains switch should be in the position of OFF, in order to avoid a direct shock to the internal circuit of the D8 SERIES by the electric current.) When turning it off, use the remote control first. Now, the power indicator should turn to red, and the radiator fan will still work for 4 minutes for elimination of heat. (Note: the mains switch can be turned off only when the fan stops working, otherwise the internal components of the machine is liable to damage, and consequently the service life of the machine will be shortened.)

2) Keystone correction

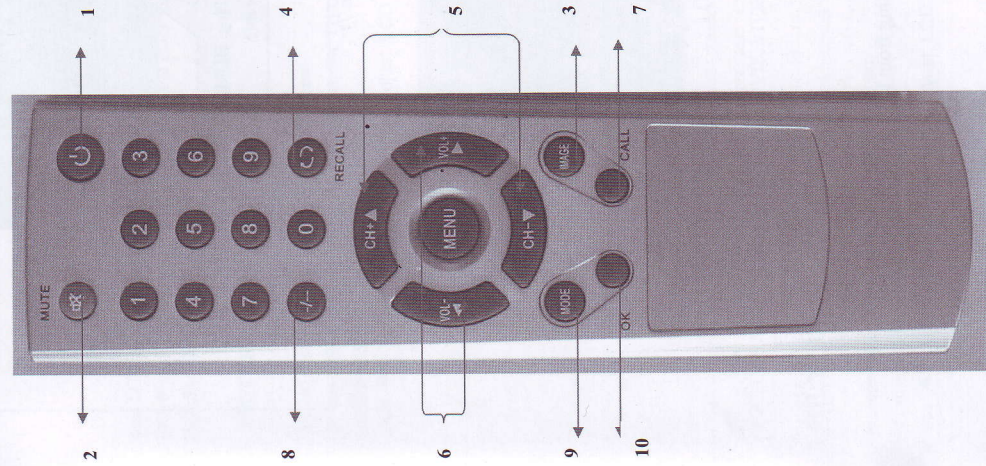
When the D8 SERIES is turned on, the projected images become brighter gradually. Owing to the different angle of the positions of the D8 SERIES, image keystone distortion may occur. In case of keystone distortion, the image can be projected regularly by adjusting the keystone correction knob. (± 15 degree adjusting angle) (Note: When turning the keystone correction knob, please turn it gently, and never use too much effort, or else unwanted damage should occur.)

(3) Focusing

The focus length will change with the change of the distance between D8 SERIES and the screen, so that the image will blur. Now you can turn the lens gently with your hand, to correct the focal length so as to obtain distinct images.

Button operation

Illustration of remote control



(1) POWER button

Press this button to switch on the TV when at standby mode or enter standby mode.

(2) MUTE button

Press this button to mute or restore sound.

(3) IMAGE button

Press this button to select the zoom mode.

(4) button

Press this button to return to the previously Viewed program.

(5) CH+▲ CH-▼ buttons

Press these buttons to select channels in ascending or descending order.

(6) VOL+▲ VOL-▼

Press these buttons to adjust the volume level up or down.

(7) CALL button

Press this button to display the settings on the screen. (e.g. Channel number for TV input)

(8) CHANNEL SELECTION buttons

No use, you can press number key to select tv channel directly.

(9) MODE button

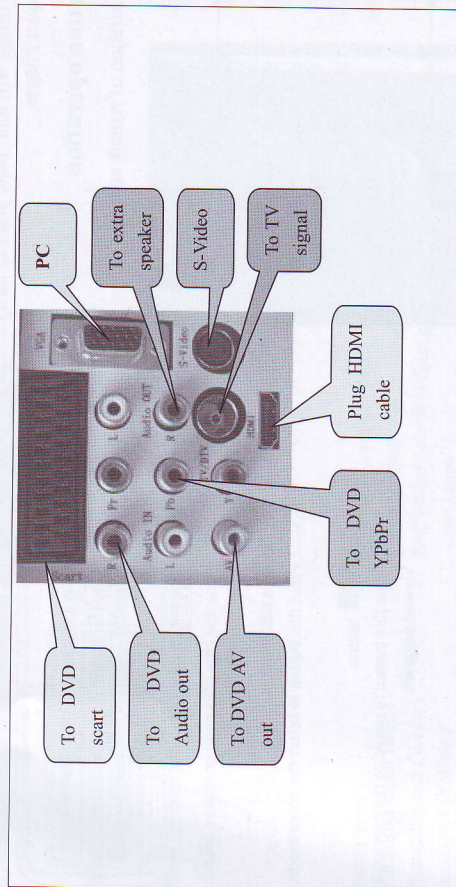
Press this button to switch among TV broadcast, AV input, SV and other source.

(10) OK button

Press this button to select picture display direction, such as Normal, Reverse etc.

(Picture 6)

Signal Line connection diagram



(Picture 7)

System function operation

Menu and Operations

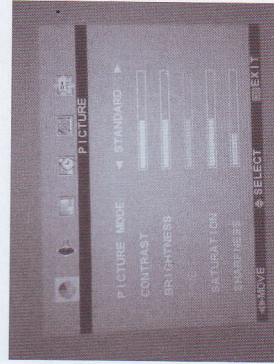
Press "MENU" Key to enter OSD menu

The OSD menu has 6 sub-menus

1. **PICTURE MENU**
2. **SOUND MENU**
3. **FUNCTION MENU**
4. **OSD MENU and CHANNEL MENU**
5. **PC MENU**

See below picture

This TV set allows you to adjust any setting by selecting from the menu screen



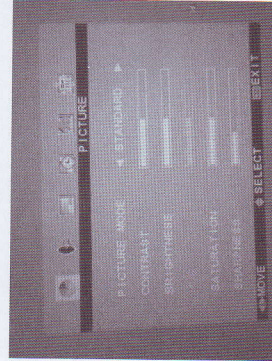
(Picture 8)

Press LCD MENU button to display main menu, including Picture, Audio, Function, PC, Channel and OSD item. You can select them by pressing the ◀▶ key buttons, and enter the submenu by pressing CH+/- key. The selected item will change to highlight color.

1. PICTURE MENU

This first item of the menu is the PICTURE menu

You can adjust picture effect here, such as PICTURE MODE, CONTRAST, BRIGHTNESS, HUE, SATURATION, SHARPNESS, COLOR TEMP., and SCALE. Press ▲▼ buttons to move, use ◀▶ to adjust, LCD MENU to exit.



(Picture 9)

Note:

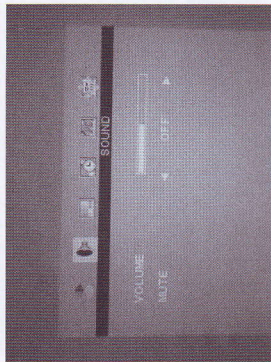
- 1). PICTURE MODE: USER, STANDAR, MOVIE, VIVID;

2. SOUND MENU

The second item of the menu is the SOUND MENU

You can adjust the sound here

Press ▲▼ buttons to move, use ◀▶ to adjust, LCD MENU to exit.



(Picture 10)

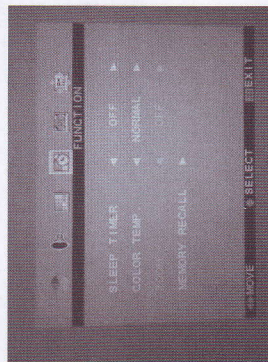
Note:

1) MUTE: OFF/ON (disable or enable the sound)

3. FUNCTION MENU

The fourth item of the menu is the FUNCTION MENU

Press ▲▼ buttons to move, use ◀▶ to adjust, LCD MENU to exit.

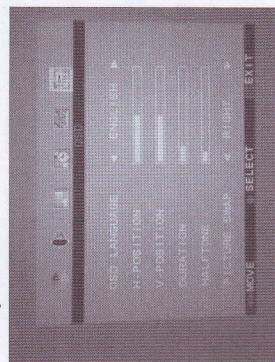


(Picture 11)

4. OSD MENU

The fifth item of the menu is the OSD menu

Press ▲▼ buttons to move, use ◀▶ to adjust, LCD MENU to exit.



(Picture 12)

Note:

- 1). OSD LANGUAGE which can be selected by different software: ENGLISH, CHINESE, FRENCH, SPANISH, ITALIAN, GERMAN, DUTCH, PORTUGUESE, and DANISH, etc.
- 2). PICTURE SWAP: NORMAL, DOWN, LEFT, RIGHT;

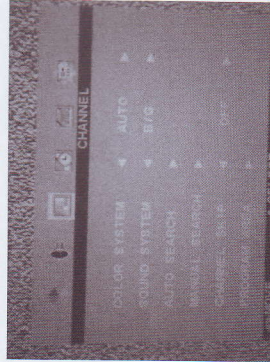
In TV MODE, there is only one item that is different with other source

1. CHANNEL MENU

CHANNEL MENU, only used in TV source.

You can complete channel search and settings here

Press ▲▼ buttons to move, use ◀▶ to adjust, LCD MENU to exit.



(Picture 13)

Note:

1). COLOR, SYS: AUTO, PAL, SECAM, AUTO is recommended

2). SOUND SYS: L, D/K, L, LL, AUTO, B/G;

3). AUTO Search :

Search all the channels automatically



(Picture 14)

4) MANUAL PROGRAM:

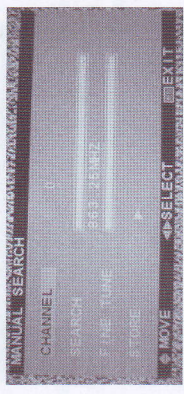
Search the channels manually

Channel: select the start channel of the manual search

Search: press ◀▶ begin to search

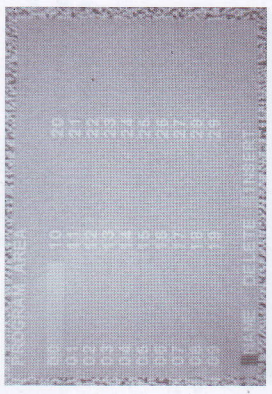
Fine: fine tune the current program

Store: store the program



(Picture 15)

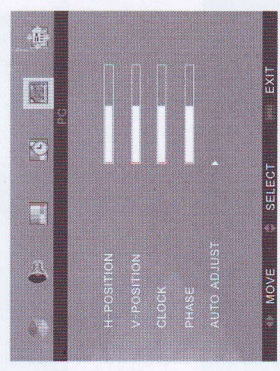
PROGRAM



(Picture 16)

PC MENU

You can adjust picture here, such as H-position, V-position, clock, phase, auto adjust press **▲▼** buttons to move, use **◀▶** to adjust, LCD MENU to exit.

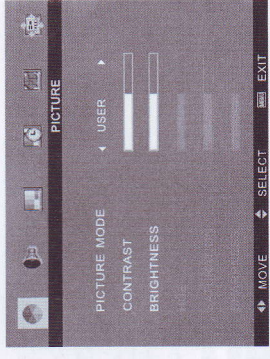


(Picture 17)

In PC MODE, there is three items that is different with other source

PICTURE MODE

You can adjust picture here, such as contrast, brightness, H-position, V-position, clock, phase, color temp. , scale, auto adjust press **▲▼** buttons to move, use **◀▶** to adjust, LCD MENU to exit.



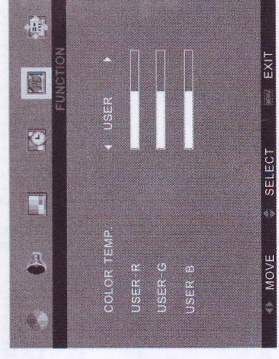
(Picture 18)

Note:

1) PICTURE MODE: USER, STANDAR, MOVIE, VIVID;

COLOR TEMP. : USER, NORMAL, WARM, COLD, SRGB.

In USER mode, use **◀▶** to adjust R, G, B value. to adjust in the VGA MODE ,others mode can not



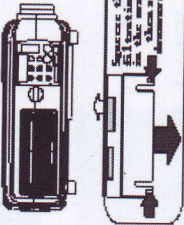
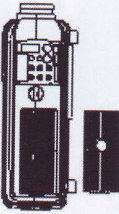
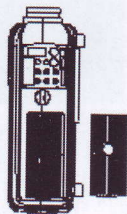
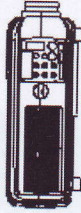
(Picture 19)

User's maintenance

Cleaning Notice

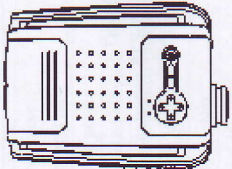
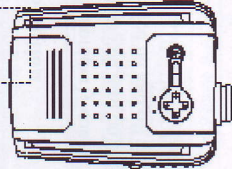
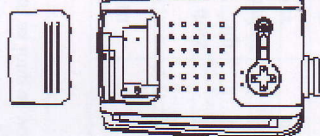
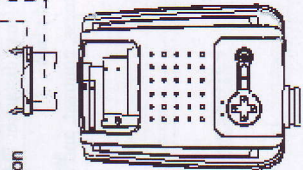
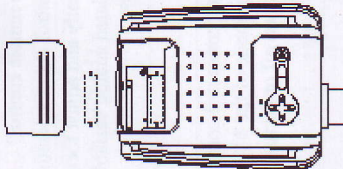
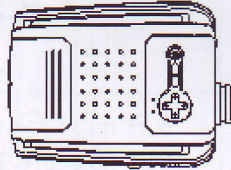
- (1) Please turn off the D8 SERIES and pull out the plug from the outlet before cleaning.
- (2) Do not use liquid cleanser or aerosol cleaner, please use a damp cloth or dry cloth for cleaning.
- (3) Clean the dust and spot on the external lens gently with dry cotton cloth.

Conventional diagram for cleaning screen filter

1 Turn off the general power supply Then pull out the power cord 	2 Press the tab on the air filtration loopholes and pull straight out  Squeeze the air filtration net slightly in the forward direction then straight it out
3 Remove all the filtration net 	4 Clear the air filtration net  The above picture use the vacuum cleaner, if the filter very dirty, wash with pure water directly, leave the filter to dry in the sun
5 Replace the air filtration net 	6 The appearance after replace the air filtration net 

(Picture 20)

Illustration of light bulb replacement

(1) make sure the power off, then pull out the power cord and cool for one hour OFF/ON 	(2) Open the bulb cover Screw down in position ① with the screw driver and put a coin in position ② the prize 	(3) Illustration after opening the bulb cover 
(4) Dismantle the reflecting concave Screw down position ③ with the screw driver, then straight it out in the arrow direction 	(5) Dismantle the bulb Hold the two ends of the lamp with your hand, first slightly squeeze it in the arrow direction of position ⑤, and then carefully lift it in the arrow direction of position ⑥. 	(6) The inverse procedure for light bulb installation Note: When installing the light bulb, please leave closing glass nozzle downward, and direct at the fixed position slot in case of accident. 

(Picture 21)

Simple repair and solution

The D8 SERIES is a high-tech product integrating optical, mechanical, and electronic components, with CPU and several protection circuits installed. In case of violating the operation procedure or improper setting, the protection circuit of the D8 SERIES will start to work. Then some abnormal symptoms will occur to the D8 SERIES. However, as long as you make the correct setting or follow the operation procedure, the failures may be resolved.

Symptom	Solution
The lamp does not light up when turning on the power	1. Is the power cord properly connected? Does the mains switch turn on? Is the plug plugged in? 2. Is the power turned on and off frequently? Reset it for 15 minutes. 3. Check how long the lamp has been used. Should the light bulb be replaced?
No picture	1. Have you open the cover of the lens? 2. Is the connecting correct? Make sure all the signal cords are correctly connected. 3. Are the contrast and brightness set to minimum?
Remote control does not work	1. Are the batteries in the remote control used up? Are the battery installed correctly? 2. Is there obstacle between the remote control receiving part of the D8 SERIES and the remote control? 3. Is the remote control out of operating distance? (max distance: 7M)
Picture is blurred	1. Turn the lens gently and adjust focus to the right place. 2. Adjust the simulated analog variables of brightness, contrast, and color 3. Is the lens clean?
Unusual sound	1. Is the audio signal connected correctly? 2. Is the audio input mode of the TV signal right? 3. Is the volume turned off or set to minimum?

all above method can not solve the problem, please contact us or the dealers immediately. Do not open the machine by yourself.

Parameter and Function

Technical specifications Model No.

5" LCD

TV System	5" LCD	PAL/NTSC/SECAM
Display Technology	5 inch LCD	
Brightness	Physical resolution: 800*600,support 1024*768,1280*1024	
Contrast ratio	2200ansi(MAX) 600:1	
Lamp power	50W LED	
Focus adjustments	Manual Focusing,Support Vertical Zoom/Image Zoom/Image Shrink.	
Picture Rotation function	Horizontal/Vertical rotation	
Compatibility	HDTV: Support 1080P/1080i/720P/576P/480P/576i/480i	
Aspect ratio	Support 4:3/16:9 (16:9 mode at AV,S-VIDEO inputs)	
Speaker	2W *2 Audio output (please set the built-in speaker to be mute when connect the projector to a outer speaker)	
OSD Languages	ENGLISH, CHINESE, FRENCH, SPANISH, ITALIAN, GERMAN, DUTCH, PORTUGUESES, and DANISH, etc.	
Input Socket	AV,TV,S-video,Audio-out,VGA,Scart,YpbPr,HDMI	
Advanced Feature	NICAM, ZOOM	
Lamp life	50000hours	
Dimensions(LxWxH)	258x323x120mm	
Weight	NW:4.8kg	
Voltage	90-240V,50/60Hz	
Noise	< 35dB	
Projection distance	1.09-5.5m	
Projection size	30-180inch	

5" LCD D8 projector SERIES

ASPECT RATIO																		
Projection distance	1.09m		1.2m		1.5m		2m		2.5m		3m		3.5m		4m		5m	
	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9
Aspect ratio	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9	4:3	16:9
Image size(inch)	33"	30.5"	36.5"	33"	47.5"	44"	66.5"	60"	79"	98.5"	90"	114"	107"	135"	124"	165.5"	153.5"	

Main function

- (1) Signal compatibility:TV (75 Ω) AV,S-video,Audio-out,VGA,Scart,YPbPr, HDMI;
- (2) Keystone correction and picture rotation, the picture aspect ratio can switch from 16:9 to 4:3.
- (3) OSD screen display function
- (4) The fans continue to work after the D8 SERIES is turned off (lasting for 10 minutes so as to prolong the lamp life.)
- (5) Alarm protection function in case of excessive heat
- (6) Alarm function when sole heat-exhausting fan does not work
- (7) Entire remote operation
- (8) Manual focus adjustment, Support Vertical Zoom/Image Zoom/Image Shrink,support PIP(Picture in picture), 3D, Teletext, NICAM, ZOOM, Multi window.

Supplied Accessories

Remote control, power cord, user manual,warranty card, AV signal line, VGA signal line.

Thank you for reading the User Manual. If you have any question, please feel free to contact us or the dealers. We will provide excellent service to you. We sincerely hope that you will enjoy your life with our products.