

SARASON DIGITAL WATERPROOF TV

User manual



Create Sincere Credit, Go In FOR Higher Level
Afford Reassurance Products, Keep excellent Service

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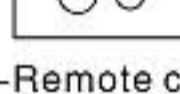
Please check the following items are include in the package after opening:

- ◇ LED TV
- ◇ Remote control
- ◇ Power adapter
- ◇ User manual

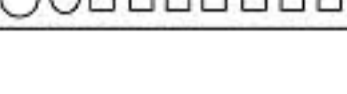
Connect the signal interface

- ◇ DC12V power input interface
- ◇ USB signal input interface
- ◇ HDMI signal input interface
- ◇ AV signal input interface
- ◇ AV audio input interface(R/L)
- ◇ Earphone audio input interface
- ◇ TV signal input interface

Front panel interface information



- 1-Remote control signal receiver
- 2-LED indicator



Below you will find the detailed feature

Video Input	TV	VIDEO SYSTEM	DVB-T, PAL, SECAM
		SOUND SYSTEM	DG, DK, J, L, L'
		RECEIVE CHANNEL	ATV:100, DTV:600
	S-Video	S-Video external	
Expansion Function	CVBS	1.0Vp-p +/-5%	
	YPbPr/YCbCr	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	
	PC-RGB	Format	Up to 1920*1080 @ 60Hz
		Color	16bit, 24bit, 32bit
Audio Input	HDMI	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	
	SCART	FULL SCart	
	USB	YES	
	Inbuilt DVD	Option	
Power	S-Video	S-Video external	
	YPbPr/CVBS	YES	
	PC-RGB	PC: Earphone input	
OSD Language	Build-in power supply	5V, 5VS, 12V	
	Adaptor(Option)	12V	
	To panel	3.3V, 5V, 12V	
	Manago	Low power consumable mode: standby<0.5W	
Key Functions	English, French, Spanish, Polish, Portuguese, Russian Italian, German, Dutch		
	CH-, CH+, MENU, VOL-, VOL+, SOURCE, ON/OFF		
Audio Output	2W*2 @ 8 Ω, 3W*2 @ 4 Ω		
Comb Filter	3D	De-interlaced	3D
Weak signal enhancement	YES		
Noisier reduction	3S		
PIP	NO		
EPG	YES(DVB-T)		
NICAM/AL/TELETEXT	YES		
Panel Resolutions	Support up to S-hi dual LVDS FULL HD panel interface		

Waterproof TV Cautions

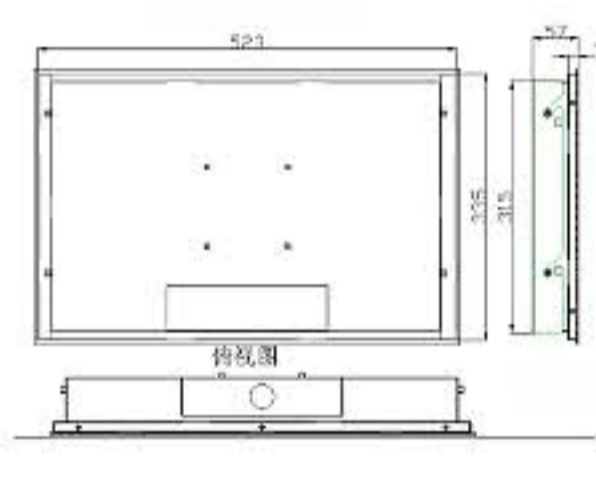
- 1) DC power supply input voltage is generally DC 12V, the error is not greater than + / - 1V, the current LCD is selected and whether according to an audio amplifier, etc., depending on the alternative minimum of not less than 4A. Note that the selected power supply 12V DC output plug and the board's input jack good contact;
- 2) Prevent mirror shattering glass;
- 3) Note to retain a certain space assembly board surface to provide air convection cooling, as well as to prevent electrical conductor (such as the drive plate and high-pressure board fixed iron) contact short-circuit (installation positioning holes of the board and the board components except) ;
- 4) Assembly Note Rocker song deformation due to additional pressure to prevent the driver board;
- 5) Attention to the driver board assembly, high pressure plate, LCD, remote control panels, speakers and other components of the electrical connection, select the correct LCD operating voltage (too low will not display properly, is too high, you will burn LCD), check and correct only after power-on;
- 6) A long time, when not in use please unplug the power.

Waterproof TV important parameters

Wall mountable with Flushing Kit
USB/HDMI/VGA/AV/TV Aerial
Surface of the waterproof structure, IP65 approved
Unique mirror glass - reflections technology
16:9 aspect ratio, TFT-LCD panel
Built-in waterproof speakers 8Ω 2W
Ultra slim waterproof, infrared remote controller
DC12V-4V input Voltage
Suitable for using in the bathroom, shower

Technical

Product: 19" Waterproof Mirror TV
LCD Size: (diagonal) 19 inch
Surface of Panel: Real Mirror
Max Resolution: 1440*900
Brightness: 350cd/m2
Contrast Ratio: 800: 1
Response Time: 8ms
Aspect Ratio: 16: 10
Viewing Angle: H 175 : V 170
Display Colours: 16.7M
OSD Menu: Multilingual - 8 languages
Audio Output: Built-in speakers 8Ω 2W *2
TV system: PAL
Power Supply: 100-240V, 50-60Hz
Max Consumption: 45W
Input: HDMI, USB, Digital / analog TV, AV, VGA



Waterproof TV Cautions

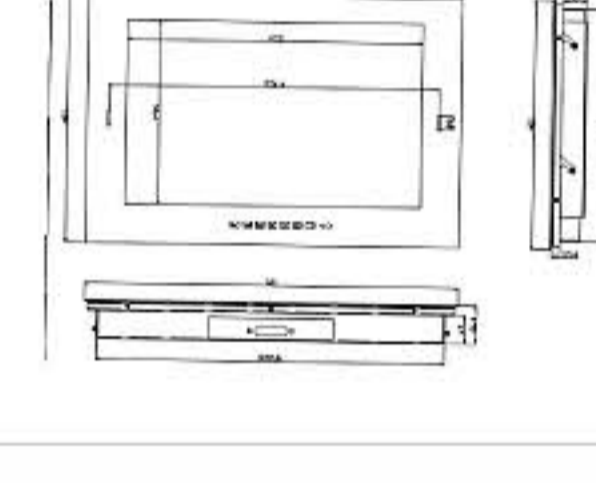
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Waterproof TV important parameters

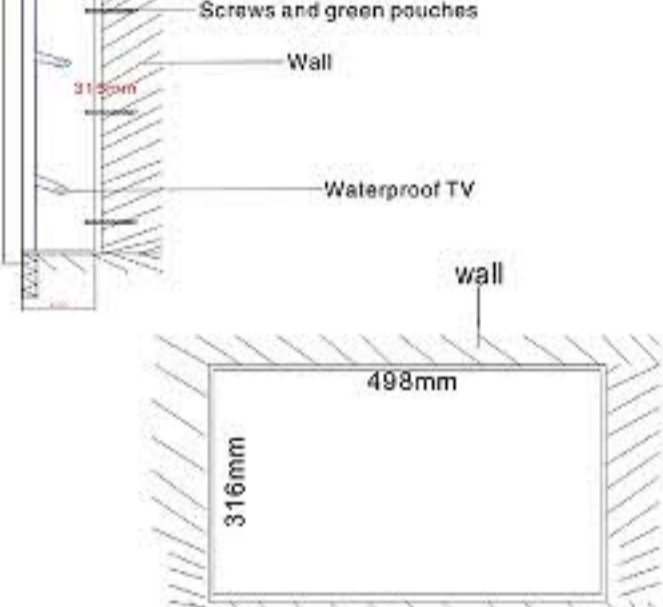
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DC12V-4V input Voltage
Suitable for using in the bathroom, shower

Technical

Product: 22" Waterproof Mirror TV
LCD Size: (diagonal) 22 inch
Surface of Panel: Real Mirror
Max Resolution: 1680*1050
Brightness: 250-350cd/m2
Contrast Ratio: 500:1-800: 1
Response Time: 8ms
Aspect Ratio: 16: 10
Viewing Angle: H 170 : V 160
Display Colours: 16.7M
OSD Menu: Multilingual - 8 languages
Audio Output: Built-in speakers 8Ω 2W *2
TV system: PAL
Power Supply: 100-240V, 50-60Hz
Max Consumption: <65W
Input: HDMI, USB, Digital / analog TV, AV, VGA

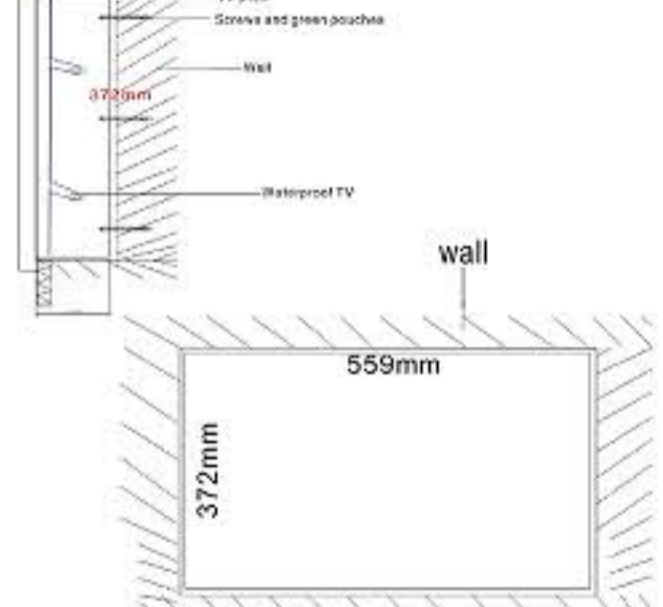


19 TV installation diagram



1. open the corresponding size of the hole, in the wall in accordance with the size of the TV shell bracket;
2. Need the signal line distribution at the hole in the wall;
3. With screws and green tube fixed housing bracket in the wall;
4. Waterproof TV in the bracket and contact a good signal line.

22 TV installation diagram



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2. Need the signal line distribution at the hole in the wall;
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Remote Control Unit

- (1) POWER button
Press this button to switch on the TV when at standby mode or enter the stand by mode
- (2) INFO button
Display the information on the top-right corner of screen(e.g. channel number, TV system, resolution and frequency for PC etc).
- (3) ZOOM button
To change picture aspect ratio
- (4) MUTE button
Press this button to mute or restore sound
- (5) 0-9 buttons
In TV mode, used to select channels. In Teletext mode, used to select page numbers. Used to key in password (child lock or Vchip)
- (6) CH button
Increase and decrease TV channel. Up or Down in navigating OSD (increase and decrease index number in Teletext mode. Used to switch from SCART mode to TV mode
- (7) VOL+ button
Adjust the volume. And ▲ and ▼ are used for increment and decrement in adjustment by end user.
- (8) SOURCE button
Press to choose source in need, such as DTV, ATV or other channel.
- (9) Left, right, up and down in the menu
- (10) TIMESHIFT button
In DTV mode, press this for shifting time.



- (11) SLEEP button:
Set time to turn off the TV
- (12) CH- button:
Return to previous TV channel
- (13) MENU button
Call out OSD.
GO to the previous level of OSD.
Exit OSD completely if at highest level of OSD
- (14) SET button:
Display the information on the top-right corner of screen(e.g. channel number, TV system, resolution and frequency for PC etc).
- (15) EXIT button
Exit from the OSD menu
- (16) PVR/LIST button
Press this for pre-recorded list in USB mode
- (17) HDMI 1 button



MENU SCREENS

This TV allows you to adjust any settings by selecting from the menu screens.

Input source



Enter INPUT SOURCE menu, you can select DTV, ATV, SCART, Component, PC-RGB, HDMI1, HDMI2, AV and DMP by pressing CH+/-Buttons. You can adjust the item selected by pressing ▲/▼.

Channel menu



Enter this menu, you can select Auto Tuning, DTV Manual Tuning, ATV Manual Tuning, Programme Edit, Signal Information, CI Information, Software Update(OAD) and Software Update(USB) by pressing CH+/-Buttons. You can adjust the item selected by pressing ▲/▼.

Picture menu



Enter the Picture menu, you can choose Picture Mode Standard, Balance, Color Temperature, Aspect Ratio, Noise Reduction and Screen by pressing CH+/-Buttons. You can adjust the item selected by pressing ▲/▼.

Sound menu



Enter Sound menu, you can choose Sound Mode Standard, Balance, Auto Volume, Surround Sound, AD Switch Off, SPDIF MODE and EQ by pressing CH+/-Buttons. You can adjust the item selected by pressing ▲/▼.