

i3TOUCH V-SENSE

V8403 T10 USER MANUAL





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1. Important Safety Instructions

Icons used for safety precautions

ICON	NAMEN	MEANING
	Warning	Failing to follow the precautions marked with this sign may result in a serious injury or even a fatality.
	Caution	Failing to follow the precautions marked with this sign may result in a personal injury or property damage.

After products wrapping paper out , Grasp the upper handle as shown in the image, Go to the bottom bezel.

• The Product must be taken to erect and maintain a horizontal product is stable.

• When put up product the bottom, edge of the portion of product do not.



1.1 Safety Precautions

Note

The color and appearance of the product may vary depending on the model, and the product specifications are subject to change without prior notice for reasons of performance enhancement.

1.1.1 Power Related



Warning

- 1.1.1.1 Avoid using a damaged power cord or plug or a loose power outlet.
 - » Otherwise, it may result in electric shock or fire.
- 1.1.1.2 Avoid connecting multiple electric appliances to a single wall outlet.
 - » Otherwise, it may result in fire due to overheating of the wall outlet.
- 1.1.1.3 Avoid plugging in or unplugging the power supply with wet hands.
 - » Otherwise, it may result in electric shock.
- 1.1.1.4 Plug the power plug in firmly.
 - » Otherwise, it may result in fire.
- 1.1.1.5 Make sure to connect the power cord to a grounded wall outlet(for insulation class 1 equipment only).
 - » Otherwise, it may result in electric shock or injury.
- 1.1.1.6 Avoid bending or twisting the power cord excessively and avoid placing heavy objects on the cord.
 - » Otherwise, it may result in electric shock or fire due to a damaged power cord.
- 1.1.1.7 Keep the power cord and the product away from a heater.
 - » Otherwise, it may result in electric shock or fire.
- 1.1.1.8 If the pins of the power plug or the wall outlet are covered in dust, clean it using a dry cloth.
 - » Otherwise, it may result in fire.

Caution

- 1.1.1.9 Avoid unplugging the power plug while the product is operating.
 - » Otherwise, it may damage the product due to electric shock.
- 1.1.1.10 Make sure to use only the power cord supplied by our company. In addition, do not use the power cord of another electric appliance.
 - » Otherwise, it may result in electric shock or fire.
- 1.1.1.11 When unplugging the power plug from the wall outlet, make sure to hold it by the plug and not by the core.
 - » Otherwise, it may result in electric shock or fire.
- 1.1.1.12 Connect the power plug to a wall outlet that can be easily reached.
 - » When a problem occurs with the product, you must unplug the power plug to cut the power off completely. You can not cut the power off completely using only the power button on the product.

1.1.2 Installation Related

Warning

- 1.1.2.1 Avoid placing burning candles, mosquito repellent or cigarettes on the product.
 - » Otherwise, it may result in fire
- 1.1.2.2 Ask an installation engineer or relevant company to install the product onto the wall
 - » Otherwise, it may result in injury.
- 1.1.2.3 Avoid installing the product in a badly-ventilated location such as inside a bookshelf or closet.
 - » Otherwise, it may result in fire due to internal over-heating..
- 1.1.2.4 Keep a distance of at least 10cm (3.93 inches) from the wall when installing the product for ventilation.
 - » Otherwise, it may result in fire due to internal over-heating.
- 1.1.2.5 Keep the plastic bags used to pack the product away from children.
 - » If children place the plastic bags over their heads, they may suffocate.
- 1.1.2.6 Avoid installing the product in a location that is unstable or exposed to excessive vibration such as on an unstable or slanted shelf.
 - » The product may fall and this may result in damage to the product or injury..
 - » If you use the product in a location exposed to excessive vibrations, it may result in a problem with the product or fire.
- 1.1.2.7 Avoid installing the product in a location exposed to dust, moisture(sauna), oil, smoke or water(rain drops) and installing it within a vehicle..
 - » This may result in electric shock or fire.
- 1.1.2.8 Avoid installing the product in a location exposed to direct sunlight and installing the product near a heat source such as a fireplace or heater.
 - » This may shorten the product life cycle or cause fire..
- 1.1.2.9 Avoid installing the product where children may reach it.
 - » If a child touches the product, the product may fall and this may result in injury.
 - » Since the front part is heavier, install the product on a flat and stable surface.

- 1.1.2.10 Bend the outdoor antenna cable downwards at the location where it comes in the house so that rainwater does not flow in
- » If rainwater enters the product, it may result in electric shock or fire.
- 1.1.2.11 Install the antenna far away from any high voltage cables.
- » If the antenna touches or falls onto a high voltage cable, it may result in electric shock or fire



Caution

- 1.1.2.12 Do not let the product drop while moving it.
- » This may result in a problem with the product or injury.
- 1.1.2.13 Do not place the product face down on the floor.
- » This may damage the panel of the product.
- 1.1.2.14 When installing the product on a console or shelf, make sure that the front of the product does not protrude out of the console or shelf.
- » Otherwise, this may cause the product to fall off and result in a malfunction or injury.
 - » Make sure to use a cabinet or shelf suitable to the size of the product.
- 1.1.2.15 When putting the product down, handle it gently.
- » Otherwise, it may result in a problem with the product or injury.
- 1.1.2.16 If the product is installed in a location where the operating conditions vary considerably, a serious quality problem may occur due to the surrounding environment. In this case, install the product only after consulting one of our service engineers about the matter.
- » Places exposed to microscopic dust, chemicals, too high or low temperature, high humidity, airports or stations where the product is continuously used.

1.1.3 Cleaning Related



Warning

- 1.1.3.1 Before cleaning the product, unplug the power cord.
- » Otherwise, it may result in electric shock or fire.
- 1.1.3.2 When cleaning the product, do not spray water directly over the product parts.
- » Make sure that water does not enter the product.
 - » Otherwise, it may result in fire, electric shock or a problem with the product.



Caution

- 1.1.3.3 Avoid spraying cleansing agent directly onto the product.
- » This may result in discoloration or cracking of the exterior of the product or the panel coming off.
- 1.1.3.4 When cleaning the product, disconnect the power cord and clean the product with the supplied cleaning cloth.
- » Avoid using chemicals such as wax, benzene, alcohol, thinner, mosquitorepellent, fragrance, lubrication or cleansing agent when cleaning the product, This may result in the exterior being deformed or the print being removed.

- 1.1.3.5 If you can't get the product clean with just the supplied cloth, use a soft, damp cloth with a "monitor-exclusive cleansing agent" and wipe the product with it.
- » If no monitor-exclusive cleansing agent is available, dilute a cleansing agent with water at a ratio of 1:10 before cleaning the product.
- 1.1.3.6 Since the exterior of the product is easily scratched, be sure to use the supplied cleansing cloth.

1.1.4 Usage Related



Warning

- 1.1.4.1 Since a high voltage runs through the product, never disassemble, repair or modify the product yourself.
- » Otherwise, it may result in fire or electric shock.
 - » If the product needs to be fixed, contact a service centre.
- 1.1.4.2 To move the product, turn the power off and unplug the power cord, the antenna cable and any other wires connected to the product
- » Otherwise, it may result in electric shock or fire due to the damaged power cord.
- 1.1.4.3 If the product generates a strange noise, a burning smell, or smoke, unplug the power plug immediately and contact a service centre.
- » Otherwise, it may result in electric shock or fire,
- 1.1.4.4 Avoid letting children hang or climb onto the product.
- » Otherwise, it may result in the product falling and this may result in injury or death.
- 1.1.4.5 If you drop the product or the case is damaged, turn the power off and unplug the power cord. Contact a service centre.
- » Otherwise, it may result in fire or electric shock.
- 1.1.4.6 Avoid placing objects such as toys and cookies on top of the product.
- » If a child hangs over the product to grab an object, the object or the product may fall and this may result in injury or even death.
- 1.1.4.7 When thunder or lightning occurs, unplug the power cord and under no circumstance touch the antenna cable as this is dangerous
- » Otherwise, it may result in electric shock or fire.
- 1.1.4.8 Avoid dropping an object over the product or cause impact to the product.
- » Otherwise, it may result in electric shock or fire.
- 1.1.4.9 Avoid moving the product by pulling the power cord or antenna cable.
- » Otherwise, it may result in electric shock, fire or a problem with the product due to damage to the cable.
- 1.1.4.10 When a gas leak occurs, do not touch the product or the power plug and ventilate immediately.
- » A spark may result in an explosion or fire.
 - » During a thunder or lightning storm, do not touch the power cord or antenna cable.

- 1.1.4.11 Avoid lifting up or moving the product by holding only the power cord or signal cable.
- » Otherwise, it may result in electric shock, fire or a problem with the product due to damage to the cable.
- 1.1.4.12 Avoid using or placing inflammable spray or objects into the product(the vents, ports, etc)
- » If water or substances enters the product, turn the power off, unplug the power cord and contact a service centre.
 - » Otherwise, it may result in a problem with the product, electric shock or fire.
- 1.1.4.13 Avoid placing a liquid container such as a vase, flowerpot, beverage, cosmetics or drugs, or a metal object over the product.
- » If water or substances enter the product, turn the power off, unplug the power cord and contact a service centre.
 - » Otherwise, it may result in a problem with the product, electric shock or fire.





Caution

- 1.1.4.14 Displaying a still image for a long time may create a persistent image or stain on the screen.
- » If you do not use the product for a long time, use the power-saving mode or set the power-saving mode or set the screensaver to the moving picture mode.
- 1.1.4.15 When not using the product for a long time such as leaving your home, unplug the power cord from the wall outlet.
- » Otherwise, it may cause dust accumulation and result in fire caused by overheating or short circuit or result in an electric shock.
- 1.1.4.16 Set the appropriate resolution and frequency for the product.
- » Otherwise, it may result in eye strain.
- 1.1.4.17 Avoid turning the product upside down or move the product holding only the stand.
- » This may cause the product to fall, resulting in damage to the product or injury.
- 1.1.4.18 Do not place the adapter on top of another adapter.
- » Otherwise, it may result in fire.
- 1.1.4.19 Keep power adaptor away from any other heat source.
- » Otherwise, it may result in fire.
- 1.1.4.20 Remove the vinyl cover of the adapter before using the adaptor.
- » Otherwise, it may result in fire.
- 1.1.4.21 Always keep power adaptor in well-ventilated area.
- 1.1.4.22 Be careful that adaptor should not be in contact with water and therefore not be wet.
- » This may cause a malfunction, electric shock or fire. Do not use adaptor by the waterside or outside particularly when it rains or snows. Be careful that adaptor should not be wet while cleaning floor with water.
- 1.1.4.23 Watching the product from too close a distance continuously may damage your eyesight.
- 1.1.4.24 Avoid using a humidifier or cooker near the product.
- » Otherwise, it may result in electric shock or fire.

- 1.1.4.25 It is important to give your eyes some rest(5 minutes every hour) when viewing the product screen for long periods of time.
- » This will alleviate any eye strain.
- 1.1.4.26 Since the display panel is hot after using it for a long time, do not touch the product.
- 1.1.4.27 Keep the small accessories in a location out of the reach of children.
- 1.1.4.28 Take care when adjusting the angle of the product or the height of the stand.
- » If your hand or finger is caught, you may be injured.
- » If the product is tilted excessively, the product may fall and this may result in injury.
- 1.1.4.29 Avoid placing a heavy object over the product
- » Otherwise, it may result in a problem with the product or injury.
- 1.1.4.30 When using headphones or earphones, do not turn the volume too high.
- » Having the sound too loud may damage your hearing.
- 1.1.4.31 Be careful that children do not place the batteries in their mouths when removed from the remote control. Place the battery in a location that children or infants cannot reach.
- » If children have had the battery in their mouths, consult your doctor immediately.
- 1.1.4.32 When replacing the batteries, insert them with right polarity(+, -).
- » Otherwise, the battery may become damaged or it may cause fire, personal injury or damage due to leakage of the internal liquid.
- 1.1.4.33 Use only specified standard batteries. Do not use new and used batteries together.
- » This may cause a battery to break or leak and may cause fire, injury, or contamination(damage).
- 1.1.4.34 The batteries(and rechargeable batteries) are not ordinary refuse and must be returned for recycling purposes. The customer is responsible for returning the used or rechargeable batteries for recycling.
- » The customer can return used or rechargeable batteries to a nearby public recycling centre or to a store selling the same type of the battery or rechargeable battery.

- Products at the same time holding the products when building or product, do not hold the back of the handle. under the product makes. the handle is a secondary role..
- Table stand and put them on the table by using the installation gets the nose does not necessarily prevent a fall on the floor using the screws fixed.

 <div style="display: inline-block; text-align: center;"> <div style="background-color: black; color: white; padding: 2px 5px;">CAUTION</div> <div style="border: 1px solid black; padding: 2px 5px;">RISK OF ELECTRIC SHOCK DO NOT OPEN</div> </div> 
<p>Attention: In order to reduce the risk of electric shock.</p> <p>Do not open the cover or backcover. If you have a product or service, please request our customer support center.</p>

2. Introduction

2.1 Package Contents



- Unpack the product and check if all of the following contents have been included.
- Store the packaging box in case you need to move the product later.
- If any items are missing, contact your dealer.
- Contact a local dealer to purchase optional items.

 LED Display				
Contents	 User Manual			
Cable	 HDMI Cable	 TOUCH Sensor Cable	 Power Cable	
Accessory	 Remote Control	 Battery(CR-2025 x 1)	 PEN	 OPS(Optional)

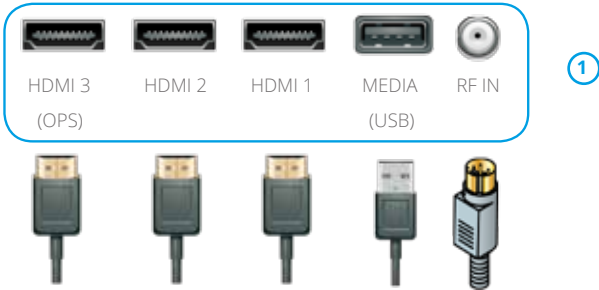
3. Each description

3.1 Front View



1. POWER(): Turns the LED Display On/Off.
2. LED Indicator
Shows Power ON mode -- BLUE
Power Saver mode by blinking RED.
Shows Power OFF mode -- RED.
3. SOURCE() : Selection Input Signal button
4. IR Receive Remote Control
5. Ambient light sensor (Optional)
6. USB 1 Terminal
7. USB 2 Terminal

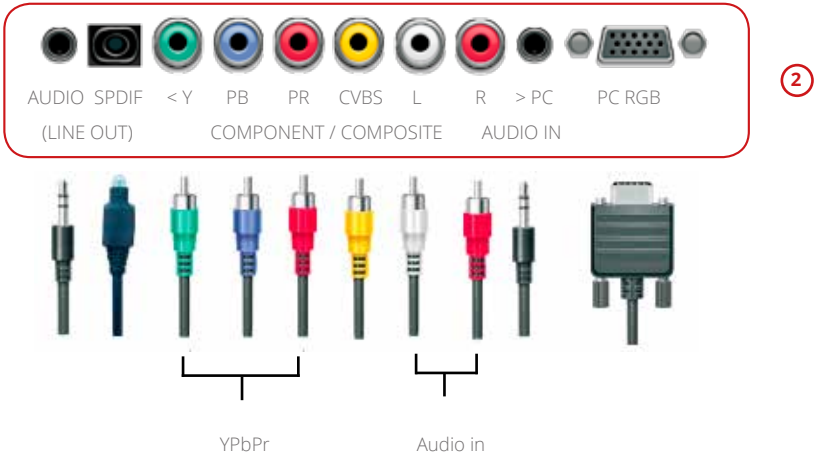
3.2 Rear View



HDMI(High Definition Multimedia INTERFACE) is the first all digital consumer electronics A/V interface that supports uncompressed standard. One jack supports both video and audio information.

Media USB: USB Port for Factory Use Only.

RF IN: Coaxial(Round) Antenna Cable



YPbPr Connection

Note: All cables shown are not included with the TV.

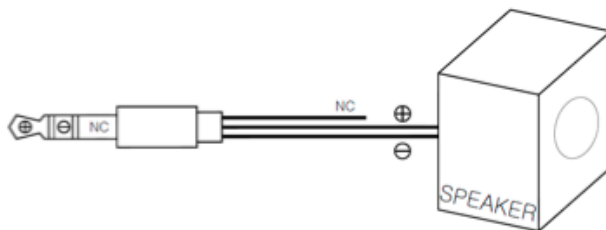
- » Connect the YPbPr output jacks on the DVD or VCR to YPbPr input jacks on the TV set with a YPbPr cable. The picture quality is improved compared to a regular VCR to the Video input
- » Match the jacks colors: Y=Green, Pb= Blue, Pr= Red.
- » Connect the audio output jacks on the DBD or VCR to the audio input jacks on the set with an audio cable.
- » Turn on the DVD/VCR, and select "YPbPr" in the input source menu.



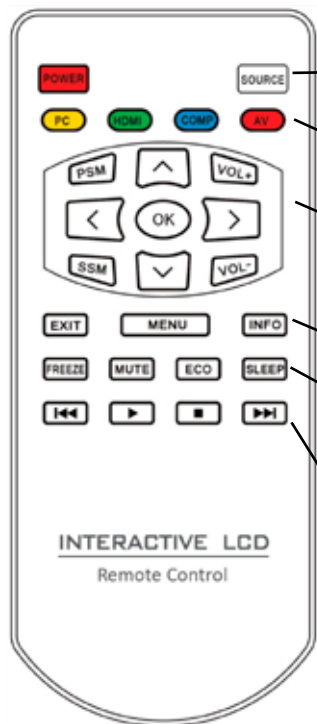
Service port: For factory uses only.

PC Connection

1. Connect RGB cable to 5, Voice connection will be connected to 4 with stereo cable.
 2. HDMI cable will be connected to (display and voice are available at the same time) 7, 8, 9.
 3. External speaker will be connected to 1, 2 input with using Ø3.5 stereo cable and then connect same as below drawing. L, R connection is same. Internal speaker will not output.
- Note) Don't connect NC.



4. Remote Control



POWER: ON and OFF

SOURCE: AV, COMPONENT, HDMI 1, HDMI 2, HDMI 3, VGA

PC: PC

COMP.: COMPONENT

HDMI: HDMI 1, HDMI 2, HDMI 3

AV: AV, S-VIDEO, SCRT

PSM(Picture mode): Standard, Dynamic, Soft, User

SSM(Sound mode): Standard, Flat, Music, Movie

MENU: Display the main on-Screen menu

INFO(Current Information): Display Information about the current channel. Press again to release it.

FREEZE: Videos are saved with pictures

Mute: Else the sound.

ECO: Screen Bright

Sleep: Set the sleep timer.

⏮ : PREV

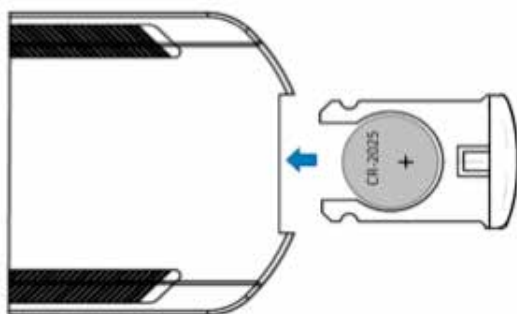
▶ : PLAY.

■ : STOP

⏭ : NEXT

4.1 How to insert battery

Insert the battery into proper polarities Battery model:(CR-2025 3V)



5. OSD Menu Description

5.1 Instruction for main menu

5.1.1 Appearance



5.1.2 Operation of keys under main menu

Key	Function	
	Main	Sub
Menu	Exit from Main menu	Return to Main menu
Exit	Exit from Main menu	Exit Menu
Up	-----	Select previous Item, if current Item is the first one, then it will skip to the last one
Down	Enter Sub Menu	Select next Item, if current Item is the last one, then it will skip to the first one
Right	Change Sub Menu	Adjust Item option or value; enter the next menu
Left	Change Sub Menu	Adjust Item option or value
OK/Enter	Enter Sub Menu	Enter next menu

Note:

1. The menu is divided into three parts on the whole: main menu, submenu, prompt menu
2. Main menu will be side-to-side setup from left to right : Picture / Audio/ Time/ Setup/ Lock/ Channel
3. Submenu will be end-to-end arranged from the top town.
4. Prompt menu will be side-to-side setup from left to right

5.2 Function introduction of submenu

5.2.1 Picture submenu

5.2.1.1 Appearance



5.2.1.2 Function Introduction

Item	Variable range	Default	Explanation
Picture Mode	Standard / Dynamic / Soft / User	Standard	
Contrast	0----100	50	You will need to watch the picture, when you adjust it, so, we close the main menu, pop up Contrast small menu
Bright	0----100	50	Same to Contrast
Color	0----100	50	This item is unavailable under VGA channel and DVI signal
Tint	50----- 50	0	Only adjustable under NTSC signal, adjustable under other signals. Recover to 0 under non NTSC signal.
Sharpness	0---100	50	This Item is unavailable under VGA channel and DVI signal
Color Temp.	Normal/Warm/Cool	Normal	

Note:

We set default setting as bellow, and you can change them to proper value for your product.

Standard: Contrast = 50, Brightness = 50, Color = 50, Sharpness =50

Dynamic: Contrast = 70, Brightness = 60, Color = 60, Sharpness =60

Soft: Contrast = 45, Brightness = 40, Color = 50, Sharpness = 50

User: Contrast = 50, Brightness = 50, Color = 50, Sharpness = 50

5.3 Audio submenu

5.3.1 Appearance



5.3.2 Function Introduction

Item	Variable range	Default	Explanation
Sound Mode	Standard / Music / Movie / User	Standard	
Bass	0---100	50	
Treble	0---100	50	
Balance	0---100	50	
Surround	Off / On	Off	
AVC	On / Off	On	
SPDIF	RAW/ PCM	RAW	Only available under DTV channel and HDMI channel, it is grey under other channels
Audio Language	English/French /Spanish	English	

Note:

We set default setting as bellow, and you can change them to proper value for your product.

Sound Mode High, low volume for each item:

Standard: Bass = 50, Treble = 50, Balance = 50

Music: Bass = 80, Treble = 60, Balance = 50

Movie: Bass = 60, Treble = 55, Balance = 50

User: Bass = 50, Treble = 50, Balance = 50

5.4 Time submenu

5.4.1 Appearance



5.4.2 Function Introduction

Item	Variable range	Default	Explanation
Sleep Timer	Off/5Min/10Min/15Min/30Min/45Min/60Min/90Min/120Min/180Min/240Min	Off	
Time Zone	Pacific/Alaska/Hawaii/Eastern/Central/Mountain	Pacific	Default value can be modified according to client's requirements.
Daylight Saving Time	Off/On	Off	Only adjustable under DTV channel.
Clock			Get date and time from the code stream of DTV, user can't modify it manually, set null under nonDTV channel.

5.5 Setup submenu

5.5.1 Appearance



Item	Variable range	Default	Explanation
Menu Language	English / French / Portuguese / Japanese / Korean / Spanish	English	Now there are only three kinds of language for OSD, if clients need more, we can add the language according to your needs.
Transparency	Off/On	Off	Transparency of OSD
Zoom Mode	Non VGA channel: Wide/Zoom/Cinema/Normal VGA channel: Wide/Normal	Wide	Only can be adjusted when there is signal
Noise Reduction	Off/Weak/Middle/Strong	Middle	
Advanced			Only can enter submenu under VGA(PC) source and there is signal. Please refer to 5.6
Closed Caption			You can enter CCD submenu through this option, menu pattern and function explanation, please refer to 1.2.4.3.3 and 1.2.4.3.31.2.4.3.3 1.2.4.3.3
DLC	On/Off	On	Dynamic brightness control
Restore Default			For this operation, first confirm which options need to be restoring according to client's requirements. We need to have one default standard. Menu pattern please refer to 5.6

5.6 Secondary submenu

5.6.1 Advanced



5.6.2 Function explanation

Item	Variable range	Default	Explanation
H-Pos	0--100		For this option, you'd better not adjust it manually, use Auto function, then the system will automatically adjust it to be at optimum value.
V-Pos	0--100		
Clock	0--100		
Phase	0--100		
Auto			If signal is lost after entering this menu, it will close the menu automatically to avoid using this Auto function when there is no signal.

5.6.3 Restore Default



5.7 Lock submenu

5.7.1 Prompt menu for entering password



Note:

Input the correct password with four number(from 0-9), then you can enter next level menu. If the password is wrong, then there will be prompting information in the middle of the menu.

5.8 HotKey Menu

5.8.1 Picture Mode

Picture Mode:Standard

Key's functions:

Key	Function
Picture Mode (P-Mode)	Picture Mode works only when there is signal. If it is P-Mode menu, then change options of P-Mode(order is same with that in main menu), or, it is used to open P-Mode menu).
MENU	Exit from P-Mode menu, open main menu
EXIT	Exit from P-Mode menu

Note: No operation for 3 seconds, then exit from P-Mode menu

5.8.2 Sound Mode

Sound Mode:Standard

Key's functions:

Key	Function
Sound Mode (S-Mode)	Sound Mode key works only when there is signal. If it is S-Mode menu, then change options of S-Mode(order is same with that in main menu), or, it is used to open S-Mode menu
MENU	Exit from S-Mode menu, open main menu
EXIT	Exit from S-Mode menu
	No operation for 3 seconds, then exit from S-Mode menu

5.8.3 Sleep

Sleep Timer:off

Key's functions:

Key	Function
TIMER	If it is Sleep menu, then change the options of sleep, or, it is used to open Sleep menu
MENU	Exit from Sleep menu, open main menu
EXIT	Exit from Sleep menu
	No operation for 3 seconds, then exit from Zoom menu

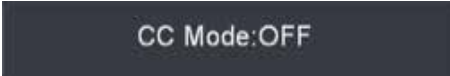
5.8.4 Zoom

Zoom:Wide

Key's functions:

Key	Function
Zoom	If it is Zoom menu, then change the options of Zoom, or, it is used to open Zoom menu
MENU	Exit from Zoom menu, open main menu
EXIT	Exit from Zoom menu
	No operation for 3 seconds, then exit from Zoom menu

5.8.5 CCD



Key's functions:

Key	Function
CCD	If it is CCD menu, then change the options of CCD, or, it is used to open CCD menu
MENU	Exit from CCD menu, open main menu
EXIT	Exit from CCD menu
	No operation for 3 seconds, then exit from CCD menu

5.8.6 Input Source Menu.



5.8.7 Volume menu



Key	Function
Vol +	If it is Volume menu, then volume will increase, or, it is used to open Volume menu
Vol -	If it is Volume menu, then volume will decrease, or, it is used to open volume menu
EXIT	Close Volume menu
RIGHT	If it is Volume menu, then volume will increase
LEFT	If it is Volume menu, the volume will decrease

Note: No operation for 3 seconds, then Exit from Volume menu

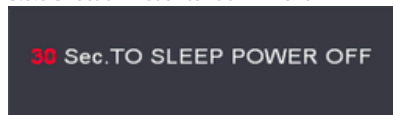
5.8.8 MUTE menu



Note:

- 1.Make sure MUTE menu exist with other menu, only MUTE key can close MUTE menu
- 2.When MUTE menu displays, if the option of CC Mode is On, then close MUTE menu.
- 3.If option of CC Mode is CC On MUTE, then press MUTE key to open MUTE menu, close MUTE menu 3 seconds later, then it shows the content of CC.

5.8.8 Shutdown counter down menu



Note: There will be count down menu 30 seconds before shutdown, press any key(except MUTE)will stop this action.

5.8.9 Timing information prompt menu



Note: When Timing changes, prompt menu will pop up automatically

5.9. Multimedia(MM)

5.9.1 Introduction

Select USB port from Input Source menu, then be in Multimedia(MM) status.

Music support: WMA,AAC and Mp3.

Photo support: bmp, jpg, jpeg, png

Movie support: AVI, mp4, move, mpg, rm/rmvb, vob

Note:

- 1) This product includes the following optional patented technologies : Dolby, DTS, DIVX, SRS , etc. If you need to use these patented, please provide the patent license to us, so that the product can meet your requirements .
- 2) Support hard disk, the maximum storage capacity is 400G
- 3) Folder in support of the greatest depth is 30
- 4) Only support single audio channel audio format and dual-audio channel audio format

5.9.2 Appearance

5.9.3 Non Movie

5.9.4 Music



5.9.5 Photo



5.9.6 Movie



5.9.7 Operation guide



Item	Function
Pause	Pause the current playing file
FB	Fast backward
FF	Fast forward
Prev.	Previous file
Next	Next file
Stop	Stop the current playing file
R_ALL/R_None	Set the repeat mode: one/all/no
Set A	Repeat time "A" to "B"
Slow For...	Slowly forward
Step Fow...	Paly in "stepping" mode
Go to Time	Find the position and play from here
Zoom In	
Zoom Out	

5.9.8 USB

USB 2.0 full function (mass storage class)

USB Slave is not supported

Maximal support devices	4
Maximal support partitions	16

5.9.9 File System

Support FAT12 / FAT16 / FAT32 / NTFS

5.9.10 File Browser

	Folder mode	List all mode
Maximal files in one folder	1670 ¹	1670 ¹
Maximal folders in one partition	No Limit	680
Maximal files in one partition	No Limit	65535
Maximal files in one partition	No Limit	65535

The limitation is depend on the memory size allocated to file brow.

6.Product Specification

6.1 Specifications

Panel	
Diagonal Size	84.04" / 213.5cm
Panel resolution	3840 x 2160
Recommended resolution	3840 x 2160 120 Hz
Brightness (nits)	350cd/m ²
Contrast ratio	1600:1 (Typ.)
Response time	5ms(Gray to Gray)
Aspect ratio	16:9
Display colors	1.06B Colors
Viewing angle horizontal / vertical	178°/178° (Typ)
Pixel pitch (mm)	0.4845(H)X0.4845(V)
Back Light unit	Edge LED
W X D X H (mm)	1904.0 X 24.0 X 1096.0
Supplier	LGD
Connectivity	
Video Input (analogue)	VGA
	Composite video(Optional)
	Component / S-Video(Optional)
Video Input (digital)	HDMIx3 , DisplayPortx1
Audio Input	PC / Component / AV
Speaker Output (Included)	8 Ohm 8W x 2
USB (for touch)	USB
Network Controllable Input	RS232C
Features / Convenience	
VIDEO	
PSM	Cool, Normal, Warm, USER
Picture Mode	16:9, 4:3, Zoom1, Zoom2, Spectacle
Color Status Memory	Yes
SOUND	
Stereo	MTS(Stereo, Mono)
SSM	Flat, Music, Movie, Speech, User
Equalizer	5 Channel Adjust
Output	8W 2ch RMS
FUNCTION	
	English, Francais, Russia, Spanish,
Languages	Portugues, Korean, Italiano, Dutch,
	Swedish, Norwegian, Daish, Turkish,

	Polski, Hungarian, Chesky, Suomi,
Total Cost of ownership	
Service & Warranty	2 years
Power Consumption (Min~Max)	435 W(TBD)
Power Consumption Sleep Mode	<1W
MTBF	50k hrs
Dimensions	
Dimensions (including stand) mm	TBD
Dimensions(not including stand) mm	1974(W) x 1160(H) x 103(D)
Product weight	Approx. 93Kg
VESA Mount (W X H)	600 x 400 mm
Green approvals	Lead free, RoHS compliant
Regulatory approvals	CE, FCC, NRTL, KC, CB
Thickness of safety glass	4mm
OPTICAL Touch System	PENTA-8440D
Detection method	Optical image sensor (4Camera) + RF PEN
Touch tool	Hand or other solid object
Accuracy	±2mm
Response time	8ms
Interface	USB 1.1(Full speed) HID compliant,PNP
Supported OS	Windows XP / Vista / 7 / 8 / MAC
Muti Touch Function	Yes
Touch Driver	No need
INFRARED Touch System	PENTA-8440R
Detection method	Infrared Sensor
Touch tool	Hand or other solid object
Accuracy	±2mm
Response time	20ms
Interface	USB 1.1(Full speed) HID compliant,PNP
Supported OS	Windows XP / Vista / 7 / 8 / MAC
Muti Touch Function	Yes
Touch Driver	No need
Electromagnetic Touch System	PENTA-8440E
Detection method	Electormagnetic Sensor
Touch tool	Active Electromagnetic Pen
Accuracy	±0.1mm
Response time	<5ms
Interface	USB 2.0 HID compliant,PNP
Supported OS	Windows XP / Vista / 7 / 8 / MAC

Muti Touch Function	No
Touch Driver	No need
Product accessories Included	
Power cable	Yes
RGB cable	Yes
HDMI - HDMI cable	Yes
Remocon + Battery	Yes
Table stand	Built-in
PEN	Yes
User Manual	Yes
Product accessories Optional	
Component Cable	Optional
Wall Mounting(Fixed type)	Optional
Wall Mounting(Sliding type)	Optional
Speakers(Optional)	8W x 2EA

6.2 OPS Specifications(Optional)

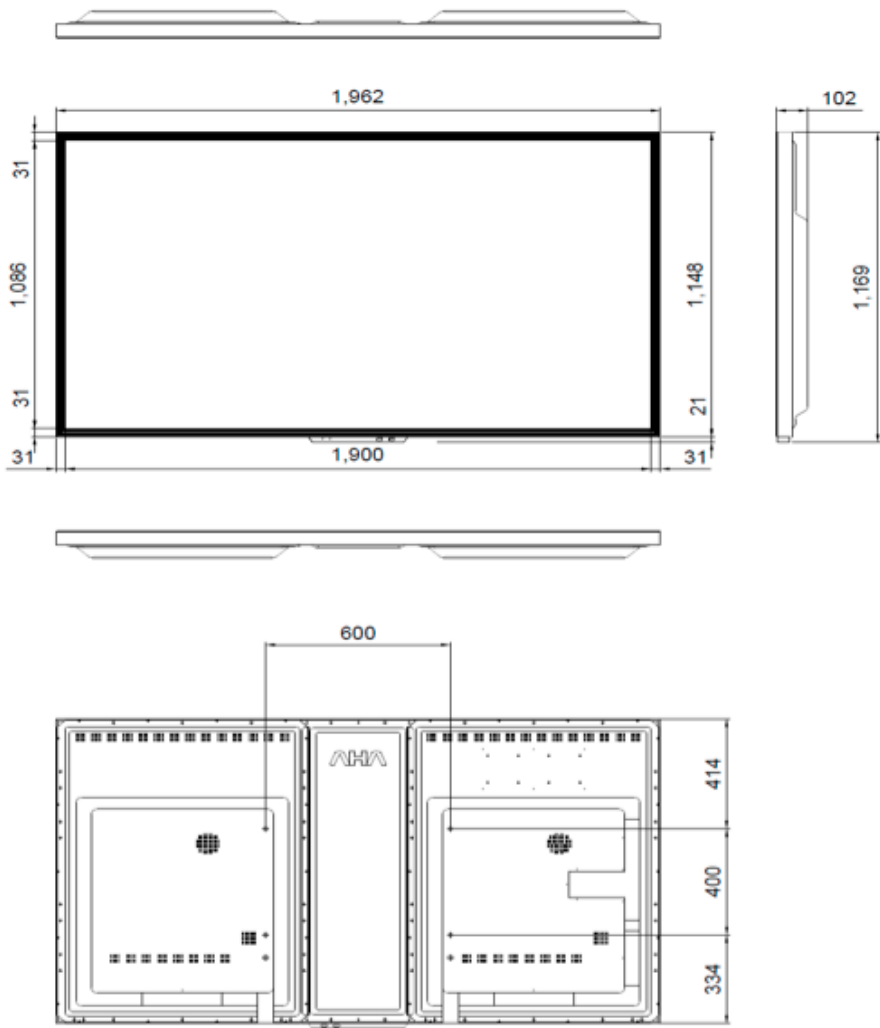
Intel OPS Architecture	
Thermal Architecture	System FAN with heat sink for heat dissipation
Chassis	Made by heavy steel
Dimension	119mm(D) x 200mm(W) x 30mm(H)
Color	Front Panel in Black
Mount	Fit into support OPS display device
System	
CPU	Onboard 4th generation Intel® Core™ Mobile Has well processor family
System Chipset	Intel QM87
System BIOS	AMI SPI Flash BIOS
System Main Memory	2x SO-DIMM sockets to support up to 16GB DDR3 un-buffered and non-ECC SDRAM
Display	Intel integrated Intel HD 5000 supports TMDS and Display Port through JAE TX25 80-pin connector and 1x HDMI output in front panel
Network Interface	1x RJ45 for Ethernet 10/100/1000M bps by using Intel PClexpress Ethernet controller i210
Super I/O	1x LPC Super I/O support Serial port, GPIO, Watchdog timer and Hardware monitor
Audio	HD Audio codec for mic-in and line-out phone-jack connectors in front panel; Audio L/R channel through JAE TX25 80-pin connector
USB	2x External Type-A USB 3.0 in front panel 2x USB 2.0 and 1x USB 3.0 through JAE TX25 80-pin connector
Storage	1x external access 2.5"Drive bay for SATA-interface storage

Expansion	1x mini-PCleexpress socket for mini-card module
RTC Battery	By using CR2032 Li-battery
Power Requirement	DC+12~19V +/- 5% input minimum 5A, maximum up to 8A
External Front I/O	
Audio	1x mic-in phone Jack and 1x Line-out phone jack connector
Power on button	1x Toggle switch for Power on/off system
Reset	1x Toggle Switch for Reset
LED	1x green for power-on status, 1x green for Storage status
Ether	5x RJ45 with LED connectors (1x WAN and 4x LAN)
USB	1x double-stack type A USB connector for 2x USB 3.0 ports
HDMI	1x HDMI connector
Antenna Hole	2x SMA-type for WiFi Antenna
External Rear I/O through JAE TX-25 80-pin connector	
Display	1x TMDS and 1x Display Port
Audio Output	Audio output for R/L channels
USB	2x USB2.0 and 1x USB 3.0
Power	DC input from +12~+19V
Control Signal	1x UART (TX/RX), Pluggable Module Power Status, Power ON via display panel, Pluggable Board Detect, Consumer Electronics Control (CEC), and System Fan Control
Internal I/O	
SO-DIMM	2x DDR3 SO-DIMM sockets
SATA	1x SATA port for 1x 2.5" SSD/HDD drive bay
Mini-PCleexpress	1x mini-PCleexpress socket with SIM-Card reader
Environment Specification	
Operating Temperature	Operating: -5°C to +45°C
	Storage: -20°C~80°C
Certification	
FCC/CE	Class A
RoHS	AHA DOC
Ordering Information	
AOPS-7080	OPS, onboard Intel Core i5-4400E Processor

Note: Product design and features without prior notice may be changed.

7. Product Dimensions

7.1 LED Dimensions



8. Troubleshooting

8.1 Product Self-Diagnosis

- You can check if the product is working properly using the Self-Diagnosis function.
 - If a blank screen is displayed and the Power LED blinks even if the product and the PC are properly connected, perform the self-diagnosis function according to the procedures below.
1. Turn the product and the PC off.
 2. Remove the D-Sub cable from the product.
 3. Turn the product on.
 4. If the product is working properly, the<Check Signal Cable>message appears.
- In this case, if a blank screen is displayed again, make sure that there is no problem with the PC and the connection.

8.2 Before Requesting Service

- Please check the following before requesting After-Sales service. If the problem continues, please contact your nearest AHA Information&Communication Service Center.

8.2.1 PROBLEMS RELATED TO SCREEN.

- 8.2.1.1 Screen is blank and power indicator is off.
 - » Ensure that the power cord is firmly connected and the monitor is on.
- 8.2.1.2 <Mode Not Supported> Message.
 - » Check the maximum resolution and the frequency of the video adapter.
 - » Compare these values with the data in the Standard Signal Mode Table.
- 8.2.1.3 Picture rolls vertically.
 - » Check if the signal cable is securely connected. Connect it again securely.
- 8.2.1.4 Image is not clear. Picture is blurred.
 - » Run frequency<Coarse> and <Fine> tuning.
 - » Turn on again after removing all accessories(video extension cable, etc.) Set resolution and frequency to the recommended ranges.
- 8.2.1.5 The image is too light or too dark.
 - » Adjust the <Brightness>and<Contrast>.
- 8.2.1.6 Screen is blank and the power indicator light blinks every 0.5 or 1 seconds.
 - » The monitor is using its power management system. Press a key on the keyboard.

8.2.2 PROBLEMS RELATED TO AUDIO.

- 8.2.2.1 No sound
 - » Ensure that the audio cable is firmly connected to both the audio-in port on your monitor and the audio-out port on your sound card.
- 8.2.2.2 The sound level is too low.
 - » Check the volume level. If the volume is still too low after turning the control to its maximum, check the volume control on the computer sound card or software program.

8.2.3 PROBLEMS RELATED TO REMOTE CONTROL.

- 8.2.3.1 The remote control buttons do not respond.

- » Check the battery polarities(+/-).
- » Check if the batteries have been exhausted.
- » Check if the power is on.
- » Check if the power cord is securely connected.
- » Check if a special fluorescent or neon lamp is on in the vicinity.

9. Customer support and AS guide

9.1 Before request AS

9.1.1 When the product does not operate normally, product manuals can be found on the troubleshooting please refer to the page.

9.2 AS Cost

9.2.1 Our warranty period is 1 years.

9.2.2 A/S is the cost incurred to our bylaws, item rated A/S price is determined according to the criteria, accurate repair cost, please contacts a customer support counseling over the phone.

9.2.3 Even within the warranty period if you use a shipping and negligence A/S will be charged.

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