

ProColor Touch Table User Guide





Contents

1. Important safety Instructions	.3
1.1 Safety precautions1.2 Care and maintenance	
2. Introduction7	
3. Each description	
4. Remote control	10
5. When using OPS PC CAUTION	11
6. OSD menu description	12
7. Product specification2	20
8. Product dimensions	22
9. Troubleshooting	24
9.1 Product self-Diagnosis 9.2 Before Requesting service	
10. Customer support and AS guide2	25
10.1 Before Request AS	

1. Important Safety Instructions

ICON	NAMEN	MEANING
4	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.

Icons used for safety precautions

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 Avoid using a damaged power cord or plug or a loose power outlet.

- » Otherwise, it may result in electric shock or fire.
- 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.
- 1.1.3 Avoid plugging in or unplugging the power supply with wet hands.
 - » Otherwise, it may result in electric shock.
- 1.1.4 Plug the power plug in firmly.
 - » Otherwise, it may result in fire.
- 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.
- 1.1.6 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.
- 1.1.7 Keep the power cord and the product away from a heater.
 - » Otherwise, it may result in electric shock or fire.
- 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.

\Lambda Caution

- 1.1.9 Avoid unplugging the power plug while the product is operating.
 - » Otherwise, it may damage the product due to electric shock.

1.1.10 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.

1.1.11 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.

- 1.1.12 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 cannot cut the power off completely using only the power button on the product.

1.2 Installation Related

✓₄ Warning

1.2.1 Avoid placing vurning candles, mosquitorepellentor cigarettes on the product.

» Otherwise, it may result in fire

1.2.2 Keep the plastic bags used to pack the product away from children.

» If children place the plastic bags over their heads, they may suffocate.

1.2.3 Avoid installing the product in a location exposed to dust, moisture(sauna), oil, ssmoke or water(rain drops) and installing it within a vehicle,.

» This may result in electric shock or fire.

1.2.4 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 cydle or cause fire..

▲ Caution

1.2.5 Do not let the product drop while moving it.

» This may result in a problem with the product or injury.

1.2.6 Do not place the product face down on the floor.

» This may damage the panel of the product.

1.2.7 When putting the product down, handle it gently.

» Otherwise, it may result in a problem with the product or injury.

1.2.8 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.

1.3 Cleaning Related

Warning

1.3.1 Before cleaning the product, unplug the power cord.

» Otherwise, it may result in electric shock or fire.

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.

A Caution

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.

1.3.4 When cleaning the product, disconnect the power cord and clean the product with the supplide 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.

1.3.5 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 moitor-exclusive cleansing agent is available, dilute a cleansing agent with water at a ratio of 1:10 before cleaning the product.

1.3.6 Since the exterior of the product is easily sdratched, be sure to use the supplied cleansing cloth.

1.4 Usage Related

Warning

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.

1.4.2 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.

1.4.3 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,

1.4.4 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.

- 1.4.5 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.
- 1.4.6 Avoid placing objects such as toys and cookies on top of the product.

» If a dhild hangs over the product to grab an object, the object or the product may fall and this may result in injury or even death.

1.4.7 When thunder or lighting 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,

1.4.8 Avoid dropping an object over the product or cause impact to the product.

» Otherwise, it may result in electric shock or fire.

- 1.4.9 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.
- 1.4.10 When a gas leak occurs, do not touch the product or the power plug and ventilate immediately.
 - » A spark may result inan explosion or fire.
 - » During a thunder or lighting storm, do not touch the power cord or antenna cable.
- 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.

- 1.4.12 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.

1.4.13 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, tum 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

1.4.15 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.

- 1.4.16 Set the appropriate resolution and frequency for the product.
 - » Otherwise, it may result in eye strain.
- 1.4.18 Do not place the adapter on top of another adapter.
 - » Otherwise, it may result in fire.
- 1.4.19 Keep power adaptor away from any other heat source.
 - » Otherwise, it may result in fire.

- 1.4.20 Remove the vinyl cover of the adapter before using the adaptor.
 - » Otherwise, it may result in fire.
- 1.4.21 Always keep power adaptor in well-ventilated area.
- 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.

- 1.4.23 Watching the product from too close a distance continuously may damage your eyesight.
- 1.4.24 Avoid using a humidifier or cooker near the product.
 - » Otherwise, it may result in electric shock or fire.

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.

- 1.4.26 Since the display panel is hot after using it for a long time, do not touch the product.
- 1.4.27 Keep the small accessories in a location out of the reach of children.
- 1.4.28 Avoid placing a heavy obhect over the product

» Otherwise, it may result in a problem with the product or injury.

1.4.29 When using headphones or earphones, do not turn the volume too high.

» Having the sound too loud may damage your hearing.

1.4.30 Be carefu that children do not place the batteries in their mouths when removed from the romote 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.

1.4.31 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.

1.4.32 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 ifre, injury, or contamination(damage).

1.4.33 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.



2. Introduction

2-1. Package Contents

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



3. Each description



PC Connection

- 1. Connect RGB cable to RGB, Voice connection will be connected to PC AUDIO IN with stereo cable.
- 2. HDMI cable will be connected to (display and voice are available at the same time)
- 3. External speaker will be connected to R , L 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





① POWER(U) : Turns the LCD Display On/Off.

2 LED

Shows Power ON mode--BLUE Shows Power Saver mode by blinking--RED Shows Power OFF mode---RED

Switches from PC mode to Video mode. Changing the source is only allowed for external devices that are connected to the LCD Display at the time.

④ IR Sensor Aim the remote control towards this spot on the LCD Display.



OPS PC

4. Remote Control



4.1 How to insert battery.

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



5. When using OPS PC CAUTION

5.1 Do not connect to touch sensor USB cable.

(Touch sensor cable is already connected by internal OPS docking board)



5.2 After connecting adapter, turn on the OPS PC.

5.3 Refer to bottom when remove the OPS PC OR use external PC.

Press a remote-control button like a below procedures if you want to go to internal PC. (EIXT --> $\frac{1}{4}$ --> $\frac{1}{4}$ --> $\frac{1}{4}$ --> EIXT)

SETUP			
	Language PC Control WXGA Child Lock Reset Fan ON Time	On	
	Temperature Setting		Place to off
	Internal PC	Off	when
~ ~		On	removing
		OPS On	OPS and
S			using
	C:Move OK:D	ecide MENU:Return	external PC.

6. OSD Menu Description

Picture Menus

Press the [MENU] Button.
 The OSD Main MENU will be shown.



• OK the **PICTURE MENU**

Press the ² /¼ buttons to move through options in the PICTURE Menu. When you have moved to the option you would like to adjust, press the OK button and you will OK its settings.



Adjustment CSM(Color Status Mode)
 Press the ² /¹/₄ buttons to move to CSM. Press the OK
 Button to select it.

Press the \triangleright buttons to move to either Cool, Norm al, Warm, or User. Cool, Normal and Warm are pr eset color options. If you want to adjust the color settings individually, select USER and press the O K Button.



Custom adjustment CSM

Press the \triangleright buttons to highlight the Red, Green or Blue level. Next, press the OK button to select one of them.

Once selected, press the \triangleright buttons to adjust t he Red, Green, or Blue level.

PICTURE		
×##@ ~	CSM PSM Back I i ght Contrast Brightness Color Sharpness	Dynamic Standard Mild Game User
	· · Move	OK) Decide (MENU) Return



PICTURE	Ē
	CSM PSM Backlight Contrast 80 Brightness Color Sharpness
	•• :Adjust (OK):Decide (MENU:Return

PICTURE	
	CSM PSM Back light Contrast Brightness Color 80 Sharpness
6	
	•• :Adjust OK:Decide MENU:Return

Picture Select mode

Press \triangleleft or the Menu button to move or go back to the previous menu options.

Press the ² /¹/₄ buttons to highlight **PSM** (Picture Status Mode), and press the OK button to see the available options.

Press the ▷ buttons to select highlight either Dynamic/Standard/Mild/Game/User, and press OK to select one. User is the default setting.

• Backlight Adjustment

Press \triangleleft or the Menu Button to move or go back to the previous menu options.

Press the ² /¹/₄ buttons to highlight **Backlight**, and press the OK button to change the setting. Press the \triangleright buttons to change the setting.

Note that the backlight value is related to power consumption. If you set your backlight at a higher level, you may be using more energy.

Contrast and Brightness Adjustment

Press \triangleleft or the Menu Button to move or go back to the previous menu options.

Press the ² /¹/₄ buttons to highlight **Contrast** or **Brightness**, and press the OK button to change either of their settings.

Press the $\triangleleft / \triangleright$ buttons to adjust both the Contrast and Brightness levels.

Color Adjustment

Press \triangleleft or the Menu Button to move or go back to the previous menu options.

Press the ² /¹/₄ buttons to highlight **Color** and press the OK button to change either of their settings. Press the \triangleleft / \triangleright buttons to change the setting.



Sharpness Adjustment

Press \triangleleft or the Menu Button to move or go back to the previous menu options.

Press the ² /¹/₄ buttons to highlight **Sharpness** and press the OK button to change either of their settings.

Press the $\triangleleft / \triangleright$ buttons to change the setting.

Color mode and sharpness modes are available when you connect HDMI.

After finishing your adjustments, press the [Exit] button to exit the OSD MENU.

Sound Menus

◆ Press [MENU] Button.

The OSD Main MENU will be shown.



Entering the Sound MENU
Press the ² /¹/₄ buttons to move up to the SOUND

Menu. Press the OK button to OK the menu.

Select Sound Status Mode

Press the \triangleright buttons to move up to the SSM (S ound Status Mode) Menu, and press the OK but ton to view the settings. Press \triangleright Button to selec t either Flat/Music/Movie/Speech/User, and press the OK button to select one.

Sound Balance

Press \triangleleft or the Menu Button to move or go back to the previous menu options.

Press ² /¹/₄ Button to highlight the Balance Menu, and press the OK button to adjust the settings.

Press the \triangleright buttons to adjust the Left/Right Balance value.

SOUND	
	SSM Balance
	AVL 0.5kHz AVL 1.0kHz 5.0kHz 10kHz
	: :Move ++ :Adjust (MENU):Return

Equalizer Adjustment

Press \triangleleft or the Menu Button to move or go back to the previous menu options.

Press ² /¹/₄ Button to highlight the Equalizer Menu, press the OK button to view the settings.

Press the \triangleright buttons to highlight one of the 0.1/0.5/1.0/5.0/10kHz values. Press the OK button to select the value and change its setting.

Press the $\triangleleft/\triangleright$ buttons to adjust the frequency setting.

AVL mode is not supported.

After finishing your adjustments, press the [Exit] button to exit the OSD MENU.

Time Menus

Setup your system's clock and automatic ON/OFF times.

Press the [MENU] Button.

The OSD Main MENU will be shown.



• Entering the TIME MENU

Press the 2 /1/4 buttons to move up to the TIME Me nu. Press the OK button to view the options in the menu.



Setup System Clock

Press the \triangleright buttons to highlight the Clock Menu. Press the OK button to view and adjust the time setting. Your display will not automatically detect the time. You must set the time manually. **Auto** mode is not available.

Press the \triangleright buttons to highlight Manual, and press the OK button to select it.

Press the $^{\rm 2}$ /¼ buttons to adjust the time, and press the OK button to confirm it.



♦ Setup System OFF Time

Press \triangleleft or the Menu Button to move or go back to the previous menu options.

Press the 2 /1/4 buttons to highlight Off Time, and press the OK button to select it.

Press the \triangleright buttons to highlight Off, and press the \triangleright buttons to turn this feature on or off.

Press the ² /¼ buttons to highlight the time, and press ▷ buttons to adjust the minutes and hours. Set the time you would like the display to automatically power off. Exit to save these settings.



Setup System ON Time

Press \triangleleft or the Menu Button to move or go back to the previous menu options.

Press the ² /¹/₄ buttons to highlight On Time, and press the OK button to adjust the settings.

Press the \triangleright buttons to highlight the time, and press \triangleright buttons to adjust the minutes and hours. Set the time you would like the display to automatically power off.

Use the ² /¹/₄ buttons to highlight VOL and use the \triangleright buttons to set the volume level you would like the display to automatically turn on at. The other options allow you to choose how often you want the display to automatically turn on (once/daily). Finally, you can choose to have this feature ON or OFF. Exit to save your settings.

Setup Auto Sleep

If Auto Sleep mode is ON, the screen will go to sleep when no input signal is received and 5 minutes have passed.

Press \triangleleft or the Menu Button to move or go back to the previous menu options.

Press the ² /¹/₄ buttons to highlight Auto Sleep, and press the OK button to change the settings.

Press the \triangleright buttons to select OFF or ON, and press the OK button to select it.

After finish your adjustments, press the [Exit] Button to exit out of the OSD MENU.



Input Menus

Press the [MENU] Button.
 The OSD Main MENU will show.

INPUT	
	Input ARC
Ó	
6	
	.Move OK:Enter MENU:Exit
INPUT	
	Input PC ARC HDMI1 HDMI2 HDMI3 DP
*	
	:Move OK:Decide MENU:Return
INPUT	
	Input ARC Auto

16:9 14:9

4:3

C:Move OK:Decide MENU:Return

Zoom1 Zoom2

Spectacle

• Entering the Input MENU

Press ² /¹/₄ Button to highlight Input, Press the OK button to OK and view the available settings.

Input source select

Press the ▷ buttons to highlight either PC/HDMI1/ HDMI2/HDMI3/DP. Once the desired input is highlighted, press the OK button to select it.

Only sources that are connected to the display can be selected.

♦ Selecting the screen ratio Press < ♦ or the Menu Button to move or go back to the previous menu options.

Press the 2 / 1 /4 buttons to highlight ARC (Auto Ratio Control), and press the OK button to view the available settings.

Press the \triangleright buttons to select either AUTO/16:9/ 4:3. After highlighting the desired screen ration, press the OK button to select it.

After finishing the adjustment, Press the [Exit] Button to exit the OSD MENU.

Setup Menus

Press the [MENU] Button.
 The OSD Main MENU will be shown.



€:Move

OK:Decide MENU:Return

• Entering the SETUP MENU

Press the $^{\rm 2}$ /¼ buttons to highlight SETUP and press the OK Button.

Change the OSD Language

Press the \triangleright buttons to select Language, and press the OK button to view and select available languages. Use the ² /¹/₄ buttons to highlight the language you would like to use and press the OK button to select it.

♦ Setup Child Lock (deactivate display buttons) Press or the Menu Button to move or go back to the previous menu options.

Press the \triangleright buttons to select ON or OFF. Press the OK button to choose either option. ON will lock the display's buttons so that you can only control through the remote.

Setup Reset

Press \triangleleft or the Menu Button to move or go back to the previous menu options.

Press the ▷ buttons to select On Off, and press the OK button to confirm. Selecting Reset On will return all OSD menu settings to their factory defaults. Selecting Reset Off will cancel and exit the menu.







♦ Setup Fan ON Time

Press \lhd or the Menu Button to move or go back to the previous menu options.

Press the \triangleright buttons to select ON/20 Min/30 Min and press the OK button to confirm. When ON is selected, the display's fan will operate constantly. If 20 Min or 30 Min are selected, the display fan will operate for those durations when the temperature selected in Temperature Setting is met.

SETUP Temperature Setting

Press \triangleleft or the Menu Button to move or go back to the previous menu options.

Press the ² /¹/₄ buttons to highlight the Temperature Setting Menu, and press the OK button to adjust the level.

Press the \triangleright buttons to select the temperature setting at which the fan will operate. Values between 35°C~80°C are possible. Press the OK button to select the level.

Internal PC Setting

Refer to bottom when remove the OPS PC or use external PC.

Press a remote-control button like a below procedures if you want to go to internal PC.

 $(\mathsf{EIXT} \rightarrow \rlap{1}_4^\prime \rightarrow \rlap{1}_4^\prime \rightarrow \rlap{1}_4^\prime \rightarrow \rlap{1}_4^\prime \rightarrow \mathsf{EIXT})$

After finishing your adjustments, press the [Exit] button to exit the OSD MENU.

7. Product Specification

MODEL NO	COMUTO-E47CP		
System Specification			
Touch Detection method	Capacitive Touch System		
Touch tool/Response time	Φ9 Finger, Conductive Pen/10ms		
Multi Touch	10 Touch		
Effective screen size(mm)	1039.68(H) x 584.82(V)		
Resolution(Pixel)	1920 x 1080		
Front Glass	Tempered Glass 4.0t(Glare Type)		
Overall dimensions(Higher)	1,224(W) x816(H) x 779(D)		
Overall dimensions(Lower)	1,224(W) x 666(H) x 779(D)		
Weight(Kg)	Approx. 104kg		
OPS(Open Pluggable Specification	on)PC		
CPU	Intel i5-3210M		
RAM	DDR3 4G		
HDD	2.5" , 500G		
OS	Embedded Win 8.1		
Etc.	Ethernet, Wi-Fi(Optional)		
LED Panel Specifications			
Active screen size(Diagonal)	46.96 inch(1192.78mm)		
Response Time	9.0ms(Typ G to G)		
Pixel Pitch(mm)	0.5415mm(H) x 0.5415mm(V)		
Pixel Format	WUXGA(1,920 x 1,080)		
Display Colors	8bit(D), 16.7M colors		
Brightness	400cd/m²(Typ)		
Contrast Ratio	1200:1		
View Angle(Typ)	Hor. 178, Ver. 178		
Ratings of Environment			
Storage Temperature	-20°C~ +60°C		
Operating Temperature	0°C~ +35°C		
Power Supply Voltage	AC100 -240V, 50/60Hz		
Power Consumption	150~250W		

Input/Output Description

Items		Specifications		
	Display Format	Auto/16:9/14:9/4:3		
Video	Picture Status Memory	5 Modes		
	Color Status Memory	4 Modes		
	Output(RMS)	EQ Max. 10W X 2 Channels		
	Sound System	Stereo		
Sound	Equalizer	5 Bands		
	Sound Status Memory	5 Modes		
	Balance	Yes		
	PC-RGB	1 (D-SUB 15P)		
	PC-Audio	1 (Ø3.5 JACK)		
	HDMI	3 (HDMI 1.3/HDCP1.1/DVI1.0 Compatible)		
	DisplayPort	1 (HDMI 1.3/HDCP1.1/DVI1.0 Compatible)		
	EXT, Audio Output	1 (Ø3.5 JACK)		
	EXT, Speaker Output	1 (Ø3.5 JACK L/R)		
Terminals	RS232C	1 (D-SUB 9P)		
	USB	2 (For Touch Sensor Control, Etc.)		
	OPS Interface (Optional)	1		
	Full-Cart or RCA-AV (Optional)	1 (SCART 21P)		
	CVBS Input/Audio L/R (Optional)	1 (RCA JACK)		
	Component Video/Audio (Optional)	1 (Y-Pb-Pr RCA JACK)		
	Software Update	Yes(Through D-SUB With Jig-Board)		
	DPMS Mode	D-SUB/HDMI/DP Capable		
	Clock	Yes		
	Sleep Timer / Auto Sleep	Yes (Max 240Min.)		
Others	On Timer	Yes		
	Off Timer	Yes		
	Child Lock	Yes		
	Freeze Function	Yes		
	Component (Optional)	480i/480P/576I/576P/720P/1080I/1080P		
	НОМІ	1080P(50HZ/60HZ), 1080i(50HZ/60HZ),		
		720P(50HZ/60HZ), 576P(50HZ), 480P(60HZ)		
	PC (DVI / DisplayPort)	DOS 720*400(70HZ)		
		VGA 640*480(60HZ/72HZ/75HZ)		
Resolution		SVGA 800*600(56HZ/60HZ/72HZ/75HZ)		
		XGA 1024*768(60HZ/70HZ/75HZ)		
		SXGA 1280*1024(60HZ)		
		WXGA		
		280*768(60HZ/75HZ),1360*768(60HZ/75HZ)		
		WSXGA 1600*1200(60HZ), 1920*1080(60HZ)		
		WUXGA 1920*1080(60HZ)		

8. Product Dimensions



OPS PC Dimensions





9. Troubleshooting

9.1 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.

9.2 Before Requesting Service

• Please check the following before requesting After-Sales service. If the problem continues, please contact your nearest n Service Center.

- 9.2.1 PROBLEMS RELATED TO SCREEN.
- 9.2.1.1 Screen is blank and power indicator is off.
 - » Ensure that the power cord is firmly connected and the monitor is on.
- 9.2.1.2 <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.
- 9.2.1.3 Picture rolls vertically.
 - » Check if the signal cable is securely connected. Connect it again securely.
- 9.2.1.4 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.

- 9.2.1.5 The image is too light or too dark.
 - » Adjust the <Brightness>and<Contrast>.
- 9.2.1.6 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.

9.2.2 PROBLEMS RELATED TO AUDIO.

- 9.2.2.1 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.
- 9.2.2.2 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.

9.2.3 PROBLEMS RELATED TO REMOTE CONTROL.

- 9.2.3.1 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.

10. Customer support and AS guide.

10.1 Before request AS

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