

True3Di

SDM-080
SDM-080 SDI

User Guide

True3Di

3D0



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High Resolution
Stereoscopic 3D Monitor

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True3Di

We appreciate users who decide to use True3Di products.



SPECIFICATION		
Model	SDM-080	SDM-080 SDI
Aspect ratio	WVGA	WVGA
Resolution	800 X 480	800 X 480
Active Display area (mm, typ.)	176.64(H) * 99.36(V)	176.64(H) * 99.36(V)
Pixel Pitch(mm)	0.2208(H)*0.2070(W)	0.2208(H)*0.2070(W)
Brightness (nits)	400cd/m ²	400cd/m ²
Contrast Ratio(typ.)	400 : 1	400 : 1
Color number	262k	262k
Response Time(ms)	10	10
Viewing angle (vertical)	40/50	40/50
Viewing angle (horizontal)	60/60	60/60
Dimensions(WxHxD)(mm)	231 X 208 X 324,8	231 X 208 X 324,8
Input Signal	DVI-D, Composite, Component	DVI-D, SDI In, SDI Out
Weight(Kg, lbs)	4.5Kg, 9.9lbs	4.5Kg, 9.9lbs

Hazardous Parts

※ Caution

● Graphic card

- ▶ Quadro FX series for Open GL Stereo Software
- ▶ Geforce 6000 and 7000 series for DirectX Stereo Software

● As using two graphic cards

- ▶ Please use the same graphic cards for the Quadro FX series, If different versions of the graphic cards are used, the 3D stereo will not work properly.

● Insertion of a second flat LCD Monitor

- ▶ Currently, True3Di uses the TN type LCD monitors, so please use of a IPS or S-PVA type monitor for the second flat LCD monitor is recommended. It will be more comfortable to use monitor without being blocked.

Warnings relating Power

● Do not dismantle, fix or and modify the product.

- ▶ It may cause a fire and/or electric shock.

● Disconnect the power cable from outlet and Contact technical support when the monitor makes unusual noises or smoke.

- ▶ It may cause a fire and/or electric shock.

● Do not install or place the monitor near oily, smoky, humid or wet environments. Do not install or place the monitor inside vehicles.

- ▶ It may cause a fire and/or electric shock.

● Disconnect the power cable from the outlet and contact technical support when the monitor has been dropped, fallen or damaged.

- ▶ It may cause a fire and/or electric shock.

- **Disconnect the power cable from the outlet when lightning or thunder is occurring nearby.**
 - ▶ It may cause a fire and/or electric shock.

- **Do not drag or move the monitor in any direction holding only the power cable or any other cables only.**
 - ▶ It may cause damage on cables and cause a fire and/or electric shock.

- **Do not use damaged or loose cables to power the monitor.**
 - ▶ It may cause a fire and/or electric shock.

- **Do not touch cables with wet hands. Do not pull the power cable by holding the cable.**
 - ▶ It may cause a fire and/or electric shock.

- **Connect the cable with a ground plug.**
 - ▶ It may cause an electric shock.

- **Connect the power cable firmly and fully inserted.**
 - ▶ It may cause a fire.

- **Do not bend the cable with force. Do not put heavy articles on top of the cable.**
 - ▶ It may cause a fire and/or electric shock.

- **Do not use more than one extension cord from one outlet.**
 - ▶ It may cause a fire.

Warnings relating installation

- **Do not install or place the monitor at the edge of a shelf. Make sure the monitor is installed or placed fully inside the given space.**
 - ▶ It may drop or fall to cause damage or serious injury.

- **Do not install or place the monitor where the given space is smaller than the monitor or on unstable space.**
 - ▶ It may drop or fall to cause damage or serious injury.

- **Do not install or place the monitor in common areas.**
 - ▶ It may cause distractions, damage or serious injury.

- **Do not install or place the monitor close to any type of fire or flammable/combustible articles.**
 - ▶ It may cause a fire or explosion.

- **Do not install or place the monitor close to any type of high heat generating article or device.**
 - ▶ It may cause a fire and/or electric shock.

- **Do not install or place the monitor in a closed space.**
 - ▶ It may cause a fire.

- **Handle the monitor gently with care.**
 - ▶ It may cause damage.

- **Install or place the monitor at least 10 cm (5 inch) from the wall for optimum level of ventilation.**
 - ▶ It may reduce or damage the life of the parts or the board.
- **Disconnect the power cable and other connected cables if connected from the outlet and the monitor when removing the monitor to different locations.**
 - ▶ It may cause an electric shock.

Warnings related to usage

- **Do not place any type of articles which contains chemical properties, metal products, or wet articles in the monitor.**
 - ▶ It may cause a fire and an electric shock and damage the monitor.
- **Do not insert or put any type of metal articles and any type of flammable articles inside or on any input ports of the monitor.**
 - ▶ It may cause a fire, electric shock and serious injury.
- **Afterimages may remain on the screen when identical images are being shown for a long period of time.**
 - ▶ Make sure to apply power saving mode or screen saving mode.

- **Do not watch the monitor for too long at a in close distance.**
 - ▶ Make sure to rest at least 5 minutes after each hour.

- **Do not let anyone to climb on top of the monitor.**
 - ▶ It may cause serious injury or death.

- **Do not clean or wipe the front screen glass with any solution or materials other than neutral solution or isopropyl alcohol with non-abrasive cloth.**
 - ▶ It may change or damage the property of the coating on the glass.

- **Do not cover the ventilation holes at the rear panel.**
 - ▶ It may cause damage or fire.

- **Do not drop or throw the monitor when moving or lifting.**
 - ▶ It may cause or damage serious injury or damage the monitor.

- **Do not place any toys, food or anything which can be spilled or played.**
 - ▶ It may cause damage, serious injury or death.

Included Parts

Included Parts



8 " Monitor



Cleaner



Power cable and adapter



Polarized glasses

- ※ Included parts and its manufacturer may vary upon subject.
- ※ It is possible for the included quantity and manufacturer of parts to be changed.

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Button Functions Description

Description of each function (SDM-080)



1. Button Description

- ① Composite, Component, DVI selection of input.
- ② Menu button.
 - If Main and Sub panel are both turned on, it will not work.
 - To control the Main panel, please turn off the Sub panel (vice versa)
- ③ Menu control button
- ④ Enter: Activate the selected menu & selection button
- ⑤ Main panel power button
- ⑥ LED light for displaying the status of the Main panel
LED(Green : Turned on, Red : No signal, Red ON/OFF : Turned off)
- ⑦ LED light for displaying the status of the Sub panel
LED(Green : Turned on, Red : No signal, Red ON/OFF : Turned off)
- ⑧ 2D/3D : Sub panel power button (2D < -> 3D switch button)









- ⑨ Component input port (YPbPr)
- ⑩ VIDEO input port (Composite)
- ⑪ DVI-D input port - Using HDMI gender for DVI cable
- ⑫ POWER port

Function description on each part(SDM-080 SDI)



1. Button Description

- ①  HD-SDI, DVI selection of input.
- ②  Menu button.
 - If Main and Sub panel are both turned on, it will not work.
 - To control the Main panel, please turn off the Sub panel (vice versa)
- ③   Menu control button
- ④  Enter: Activate the selected menu & selection button
- ⑤  Main panel power button
- ⑥ LED light for displaying the status of the Main panel
LED(Green : Turned on, Red : No signal, Red ON/OFF : Turned off)
- ⑦ LED light for displaying the status of the Sub panel
LED(Green : Turned on, Red : No signal, Red ON/OFF : Turned off)
- ⑧ 2D/3D : Sub panel power button (2D < -> 3D switch button)



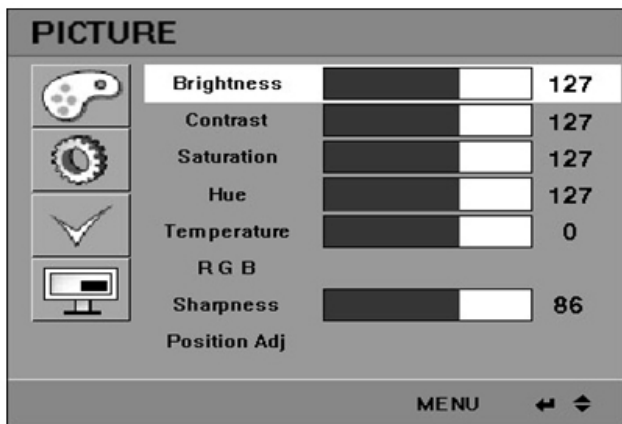
- ⑨ SDI In, SDI Out
- ⑩ DVI-D input port - Using HDMI gender for DVI cable
- ⑪ POWER port

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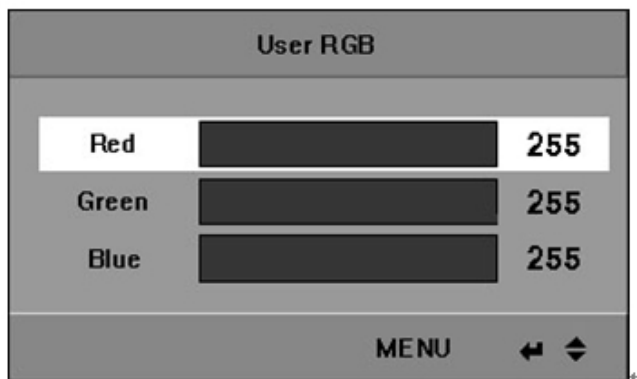
Monitor Menu Settings

1. Picture Menu



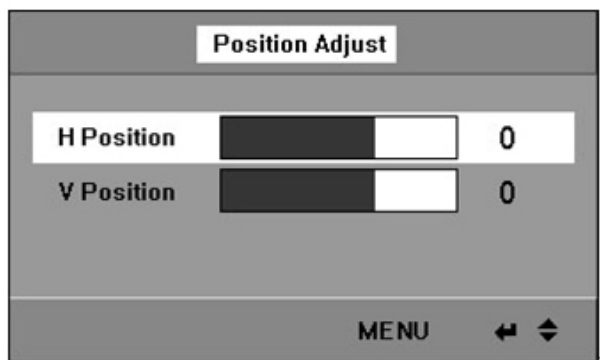
- 1) Brightness control
- 2) Contrast control
- 3) Saturation control
- 4) Hue control
- 5) Temperature control
 - 0 : RGB at No color temperature
 - 1 : 4200K
 - 2 : 5000K
 - 3 : 5400K
 - 4 : 6500K
 - 5 : 7500K
 - 6 : 9300K
 - 7 : User RGB

6) User RGB



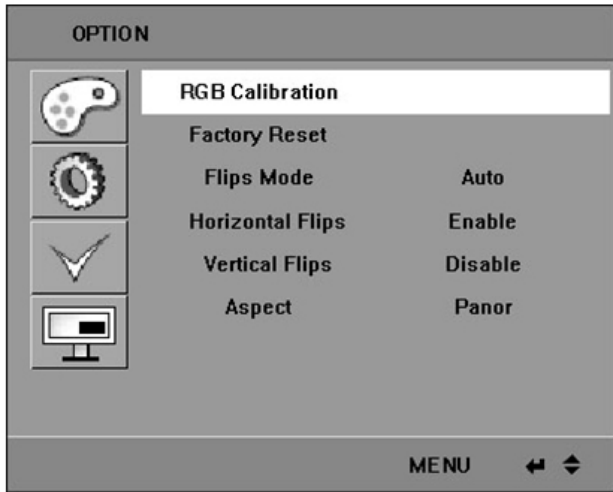
7) Sharpness control

8) Position Adjust control



* Remark : When both the Main and Sub panels receive the signals, if you press the button five times, Sub position is possible to control.

2. OPTION Setup



1) RGB Calibration : Auto setup of RGB calibration of Component image

2) Factory Reset

3) Flips Mode

- Select Flips Mode on OPTION Menu

① Auto

- Convert to Factory Setting

② Manual

③ Horizontal Flips (Enable: Standard mode, Disable: Mirror mode)

- Reverse the left and the right image.

④ Vertical Flips (Enable: Standard mode, Disable: Mirror mode)

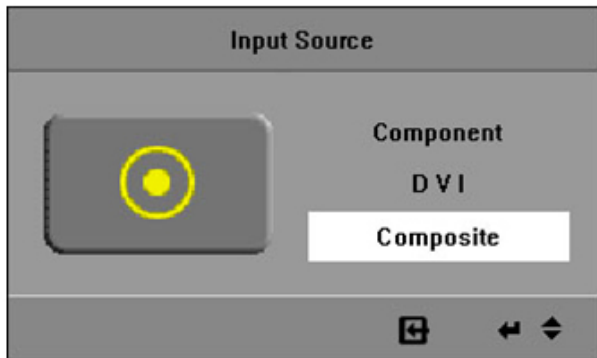
- Reverse the up and the down image.

4) Aspect setting

- 1:1, Aspect, Change Fill mode

- It is possible to change the function depending on resolution of input and resolution of monitor.

3. Source Select(SDM-080)



- Selection of Component, DVI, Composite input

4. Source Select(SDM-080 SDI)



- Selection of , DVI, HD-SDI

5. Indication of abnormal operation and quick fix

BLUE SCREEN(LED orange color)

- Current mode is displayed on the top left side and the whole screen is blue screen.
This means that there is no signal from the PC or the source of the video or the cable is disconnected.

☞ Please check the VGA cable or the video card and the working status of the PC.

The letter of OSD MENU is broken.

- When the letter of OSD MENU or MODE is broken,
Memory has not been reset.

☞ On the menu please make the reset by controlling the OSD Board

LED indicator

- ▶ Normal condition ☞ Green
- ▶ No signal ☞ LED indicator will be changed from a Green to an Orange color
- ▶ VGA Cable signal or nothing inserted ☞ LED indicator will be changed from a Green to an Orange color.
- ▶ POWER OFF ☞ Red
- ▶ No power of monitor ☞ LED turns off

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Important safety instructions

IMPORTANT SAFETY INSTRUCTIONS:

Important safety instructions shall be provided with each apparatus. These instructions shall be in a separate booklet or sheet, or be located before any operating instructions in an instruction for installation or use and supplied with the apparatus. This information shall be given in a language acceptable to the country where the apparatus is intended to be used.






The important safety instructions shall be entitled “IMPORTANT SAFETY INSTRUCTIONS” . The following safety instructions shall be include where applicable, and, when used, shall be verbatim as follows. Additional safety information is not prohibited from being included by adding statements after the end of the following safety instruction list. At the manufacturer’ s option, a picture or drawing that illustrates the intent of a specific safety instruction is not prohibited from being placed immediately adjacent to that safety instruction.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any of the ventilation openings. Install in accordance with the manufacturer’ s instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use the attachments/accessories specified by the manufacturer.
- 12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) The socket-outlet shall be installed near the equipment and shall be easily accessible.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

  	 <p>The lightning flash with arrow-head symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.</p>
<p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	 <p>The exclamation point within a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.</p>

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

WARNING: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

CAUTION: This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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Trouble Shooting

Trouble Shooting

1. No image is shown on the screen after computer is turned on.

- 1) When the graphics card is inserted loosely into the card slot on the motherboard, take out the graphics card from the slot to check if it is clean and re-insert it tightly.
- 2) When the memory is inserted loosely into the memory slot on the motherboard, take out the memory from the slot to check if it is clean and re-insert it tightly.
- 3) When the monitor cables are faulty with broken pins or got disconnect inside, change them to other working ones or new ones.

2. Screen flickers after 3D images are played.

- 1) When the monitor display mode is set to "Single view mode" , change it to "Clone view mode" .

3. Left and right images on one screen.

- 1) When a media player program is being used, turn off other media player programs.

4. No 3D stereoscopic images appear after the computer starts normally.

- 1) When the keyboard plug is inserted loosely into the keyboard slot, take out the keyboard plug from the slot to check if it is clean and re-insert it tightly.
- 2) When only one screen or both screens do not show any images, check if the power is turned on.

5. No 3D stereoscopic images without any problem with settings.

- 1) When no 3D stereoscopic images are displayed without any problem with the options, please reinstall the driver.
Reinstallation process
Restart the computer with safe mode. Uninstall the Nvidia driver. Remove the Nvidia folder(C:\w\NVIDIA\w\Win2kxp\w). Reinstall the Nvidia driver and stereo driver.

Service

1. Free of service charge

Free repair service is valid until the warranty expires when the monitor has been used with no factory defect or any other initial problems.

2. Service charge

Following reasons would require service charge (labor fee, part fee, service fee) :

1) After warranty has expired

2) Before warranty has expired

- Natural disaster or act of God (fire, flood, lightning, earthquake and other natural disasters or electricity cutout)
- When the user tries to modify or fix the monitor
- When damaged, dropped, shocked, or broken by the user
- When damaged, shocked or broken by faulty electricity

* Service charge applies for half mirrors (beam splitters) if broken after delivery.

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