W243S

3D

- 24"/61cm LCD TFT monitor
- 16:10 wide screen
- 2D/3D compatible
- 3D mode by polarized filters
- 120 3D-game drivers included
- 1920 x 1200 resolution
- 10000:1 dynamic contrast ratio
- 300 cd/m^2 luminance
- 5 ms response time
- DVI/HDMI connector (HDCP)
- D-Sub connector
- PIVOT/height-adjustable stand

The 3D monitor W243S enables multimedia experience in a new sensational way: due to the use of polarized filters on both the screen surface as well as on the included 3D glasses, movies, games and pictures are shown with a breathtaking three-dimensional effect. Objects on your screen seems to be within reach and flying through your room !

Beside multimedia applications the W243S is suitable to use also ifor professional purposes. For example 3D models created with CAD tool can be displayed more plastically and thus allows a presentation close to reality.
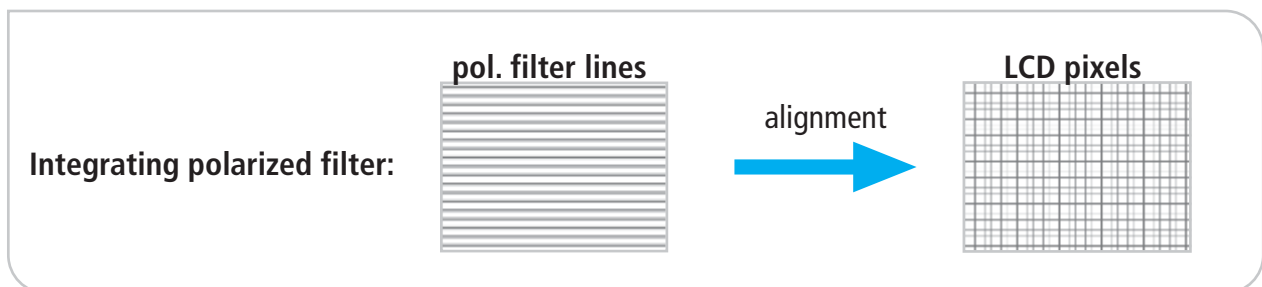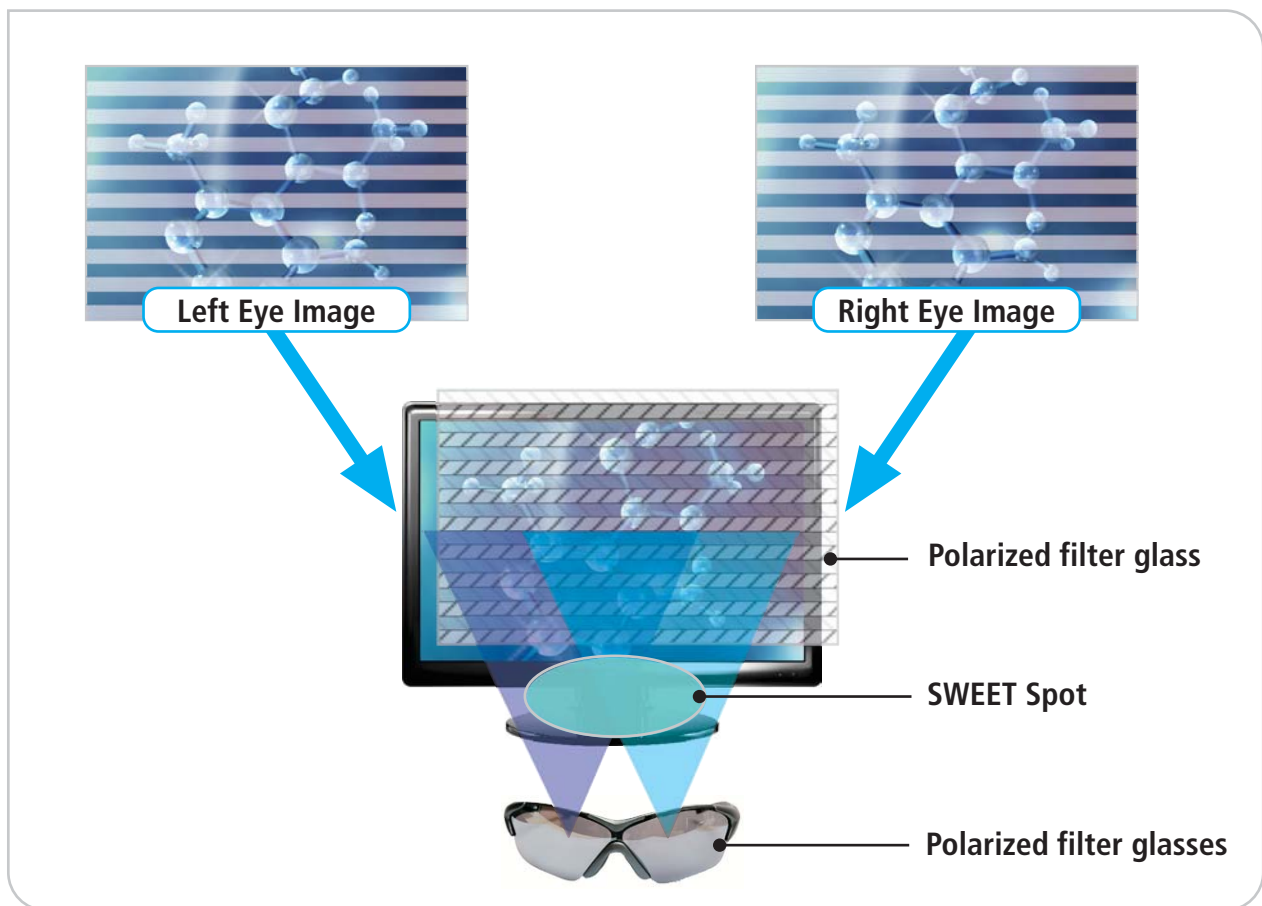
At last, without any restrictions, the W243S can be used as a conventional PC monitor displaying 2D content in a sharp and brilliant way.

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Display Solutions by Expertise.

How it works

Using the stereoscopic 3D technology the viewer is watching the 3D contents through a polarized 3D display by using polarized 3D glasses. A stereoscopic image presents the left and right eyes of the viewer with different perspective viewpoints, just as the viewer sees the visual world. From these two slightly different views, the eye-brain synthesizes an image of the world with stereoscopic depth.

Left Eye Image

Right Eye Image

Polarized filter glass

SWEET Spot

Polarized filter glasses

Integrating polarized filter:

pol. filter lines

alignment

LCD pixels

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3D Software Package

The scope of delivery of the W243S contains the following software tools which allows the running of different 3D applications:

Display Set-Up

The Display Set-Up software ensures the correct configuration of your HYUNDAI 3D-monitor.

3D Media Player

The 3D Media Player plays a wide range of 2D and 3D movies and photos, including open format files (.avi, .mpg, .jpg, etc) and DVDs. You can watch standard defintion 2D DVDs in high impact stereoscopic 3D at run time with 2D to 3D conversion technologies and play a variety of open format 3D media files (.avi, .mpg, .jpg, etc) named in adherence to the 3D file naming conventions.

3D Launchpad

TriDef Launchpad enables you to play more than 120 PC Games in 3D mode. The necessary driver are already included in the software package. For seeing a list of supported games please visit the following homepage:

http://www.tridef.com/3dgames/3d-games.html

3D Demo Contents

The software package includes also some demo contents like free 3D-drivers for different demo games as well as the movie "Fly Me To The Moon" (nWave Pictures).

OpenGL Compatibility

Due to the fact that the current Nvidia™ graphic driver supports the horizontal-interlaced format, the W243S can be used directly (without special driver) with software applications that are based on OpenGL™.

Hardware Requirements

Recommended

Intel® Core 2 Duo or Athlon™ 64 X2 Dual-Core CPU, 1GB RAM, NVIDIA® GeForce 6600 or ATI Radeon™ X800, 100MB free disk space, Windows® XP, Vista (32Bit), DirectX 9.0c compatible sound card, Internet connection, DVD-ROM drive, Network card.

Minimum

Intel® Pentium 4 1.6GHz or Athlon™ XP, 512MB RAM, DirectX 9.0c compatible graphics card, 100MB free disk space, Windows® XP, Vista (32Bit), DirectX 9.0c compatible sound card, Internet connection, DVD-ROM drive, Network card.

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3D Technology	filter	micro-circular polarizing filter
	compatibility	2D/3D compatible
	3D format	horizontal interlaced
	viewing angle (h/v)	160°/20°
	supported 3D resolution	1920 x 1200
	real-time 3D conversion	TriDef Software (PC)
	recommended watching distance	0.6 - 1.0 m
Panel Specifications	panel type	LCD | A-Si TFT Active Matrix | TN
	size/diagonale	24" / 60,96 cm
	active display size (h/v)	518.4 x 324 mm
	pixel pitch (h/v)	0.270 x 0.270 mm
	viewing angle (h/v)	160°/160° (CR:<=10)
	contrast ratio	10,000:1 (DCR)
	response time	5 ms (typical)
	brightness	300 cd/m² (typical)
	aspect ratio	16:10
	colors	16,7 M
Scanning Frequency	horizontal | vertical	30~80 kHz | 56~76 Hz
Resolution	maximal / recommended	1920 x 1200 @ 60Hz
	preset/analog	640x350@70Hz, 720x400@70Hz, 640x480@60/75Hz, 800x600@56/60/75Hz, 832x624@75Hz, 1024x768@60/70/75Hz, 1152x864@75Hz, 1152x870@75Hz, 1280x960@60Hz, 1280x1024@60/75Hz, 1680x1050@60Hz, 1920x1200@60Hz
	preset/digital	640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1680x1050@60Hz, 1920x1200@60Hz
	video	480p, 576p, 720p, 1080i/p
Input Signal	video	RGB analog, digital signal (DVI/HDMI)
	synchronization	H/V-separate, TMDS signal
Connectors	analog | digital	1x D-Sub (15-pin), 1x Component (Ypbpr) | 1x DVI-D (24-pin, HDCP), 1x HDMI (HDCP)
	cable size	1,5 m
Plug-and-Play		VESA DDC 2B
User Controls	OSD/analog, digital, DTV	Input Selection, Brightness, Contrast, Color Temperature, Power Saving Mode, Language, Recall, Volume
(soft touch key)	OSD/analog only	H/V-Position, Clock, Phase, Color Temperature Selection, OSD Menu Position, Sharpness, Display Ratio, Auto Adjustment, Color Enhancement
Lifespan (MTBF)	panel| backlight	50.000 operating hours
Power Management		VESA DPMS
Power Supply System	voltage / consumption / type	100 – 240V AC 2.0A / 45 Watt (typical) / built-in
Pixel Default Class	ISO 13406-2	Class 2
Safety & Regulations		TUV/GS, UL/CUL, CB, CCC, Energy Star, EK, GOST, VCCI, C-Tick, FCC, CE, WEEE
Other Features	audio system	internal loudspeaker 2 x 3 Watt, PC audio in/out
	Kensington security slot	yes (backside of monitor)
	compatible for wallmount	VESA (100 x 100 mm)
Stand		PIVOT, height-adjustable, rotatable, tiltable
Cabinet Color		black/white high gloss design
Dimensions (W x H x D)	unit | packed	579 x 455 x 240 mm | 989 x 538 x 241 mm
Weight	unit | packed	9,9 kg | 13,8 kg
Guarantee	on-site-service	36 month/Pick-up, Repair & Return
Scope of Delivery		power cable, DVI cable, D-Sub cable, audio cable, quick installation guide, 1x 3D glasses
		CD-ROM: user manual, driver, ICM profil, 3D software package
EAN Code		880-909374-607-7

Technical details are subject to change without further notice. Errors excepted. Version: as of August 2010.

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