2220WM
2220WM HAS
220WM
920WM

Widescreen LCD Monitors

SAMSUNG

- 22" and 19" widescreens
- Sharp 1680 x 1050 and 1440 x 900 resolution
- Built-in multimedia speakers
- MagicSpeed™ ultra-fast 5 ms response time
- Exclusive MagicBright 2™ technology
- Microsoft Windows Vista Premium certification
- Wall-mountable

imagine unpacking your new monitor and finding new speakers included. That's exactly what you get with the Samsung 2220WM, 2220WM HAS, 220WM and 920WM widescreen monitors. The built-in multimedia speakers allow you to hear videos and audio presentations, or listen to music while you work. The sleek, integrated designs keep your desk clutter-free. And multitasking is easy with the wide screen format. More room for open applications, tool palettes and images. And the 5 ms response time makes for smooth motion graphics. With the Samsung 2220WM, 2220WM HAS, 220WM and 920WM, it's not hard to imagine.

CERTIFIED FOR Windows Vista™

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Widescreen LCD Monitors

Features

Widescreen Format
Spread out on your desktop with the wide 16:10 aspect ratio. See everything clearly with up to 1680 x 1050 resolution.

Built-in Multimedia Speakers
Follow along on WebEx teleconferences without having to buy speakers separately. You can hear audio tracks on corporate videos. And you can hear it all with or without headphones.

MagicSpeed™ 5 ms Response
Fast pixel response means fast action with virtually no blurring or ghosting.

MagicBright 2™
Work is made easier with rich, natural color and easily selectable brightness modes that include Text, Internet, Game, Sports and Movies.
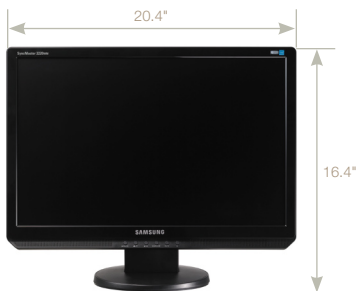
Microsoft Windows Vista Certification
Premium certification is reserved only for products proven to take full advantage of everything the Microsoft Windows Vista operating system offers.

Wall-Mountable
Whether it's on your desk or hanging on your wall, they'll make you look good.

2220WM Dimensions

20.4"

16.4"

Specifications		920WM	220WM	2220WM/2220WM HAS
Display	Type	a-si TFT/TN	a-si TFT/TN	a-si TFT/TN
	Viewable Size	19" Wide	22" Wide	22" Wide
	Native Resolution	1440 x 900	1680 x 1050	1680 x 1050
	Pixel Pitch (mm)	0.284	0.282	0.282
	Aspect Ratio	16:10	16:10	16:10
	Contrast Ratio (Typical)	700:1	700:1	1000:1
	Viewing Angle (Horizontal/Vertical)	160°/160°	170°/170° (CR>5)	160°/170° (CR=10)
	Response Time	5ms	5ms	5ms
	Light Source	CCFL	CCFL	CCFL
	Brightness (Typical)	250 cd/m²	300 cd/m²	300 cd/m²
	Panel Surface	Matte	Matte	Matte
	Maximum Color Supported	16.7M	16.7M	16.7M
Video Input Signal	Analog	Analog RGB	Analog RGB	Analog RGB
	Digital	DVI	DVI with HDCP	DVI with HDCP
	Frequency (H/V)	30~81kHz (H) / 56~75Hz (V)	30~81kHz (H) / 56~75Hz (V)	30~81kHz (H) / 56~75Hz (V)
	Sync	H/V Separated, Composite H/V, Sync on Green	H/V Separated, Composite H/V, Sync on Green	H/V Separated, Composite H/V, Sync on Green
Compatibility	PC	Windows Vista Premium/Basic Certification, XP, 2000, 98	Windows Vista Premium/Basic Certification, XP, 2000, 98	Windows Vista Premium/Basic Certification, XP, 2000, 98
	Mac	Mac OS Leopard, X, 9	Mac OS Leopard, X, 9	Mac OS Leopard, X, 9
Input Connectors		15-pin D-sub, DVI-D, 3-pin AC plug (CEE22)	15-pin D-sub, DVI-D, 3-pin AC plug (CEE22)	15-pin D-sub, DVI-D, 3-pin AC plug (CEE22)
Power	Voltage	AC 100-240 ~ VAC (± 10%), 60 / 50 Hz ± 3 Hz	AC 100-240 ~ VAC (± 10%), 60 / 50 Hz ± 3 Hz	AC 100-240 ~ VAC (± 10%), 60 / 50 Hz ± 3 Hz
	Consumption (Max/Standby)	42 watts (max)/<1 watts (DPMS mode)	46 watts (max)/<1 watts (DPMS mode)	46 watts (max)/<1 watts (DPMS mode)
Controls	Basic	Power, Auto Adjustment, Source, Brightness up/down, MagicBright 2 presets, OSD Menu	Power, Auto Adjustment, Source, Brightness up/down, MagicBright 2 presets, OSD Menu	Power, Auto Adjustment, Source, Brightness up/down, MagicBright 2 presets, OSD Menu
	Advanced	Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Color Tone, Color Control, Gamma), Image (Coarse, Fine, Sharpness, H position, V position), OSD (Language, H position, V position, Transparency, Display Time), Setup (Auto Source, Reset)	Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Color Tone, Color Control, Gamma), Image (Coarse, Fine, Sharpness, H position, V position), OSD (Language, H position, V position, Transparency, Display Time), Setup (Auto Source, Reset)	Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Color Tone, Color Control, Gamma), Image (Coarse, Fine, Sharpness, H position, V position), OSD (Language, H position, V position, Transparency, Display Time), Setup (Auto Source, Reset)
Features	Plug & Play	DDC 2B/DDC-CI	DDC 2B/DDC-CI	DDC 2B/DDC-CI
	Stand	Tilt	Tilt	2220WM: Tilt 2220WM HAS: Height Adjustable (70mm), Tilt
	Wall Mount (VESA)	75mm	100mm	100mm
	Cabinet Color	Black	High-gloss Black	High-gloss Black
Special Features	Built-In Speakers	1W x 2	2W x 2	2W x 2
Magic Technologies	MagicColor (Full and Intelligent Mode)	■	■	■
	MagicBright 2 (Custom, Text, Internet, Game, Sport, Movie)	■	■	■
	MagicTune (On-Screen Asset Management)	■	■	■
	MagicStand HAS (Height Adjustable, Swivel, Tilt, Pivot)	N/A	N/A	2220WM: N/A 2220WM HAS: ■
	MagicRotation (Image Rotation With Software)	N/A	N/A	N/A
Operating Conditions	Temperature	10°C ~ 40°C	10°C ~ 40°C	10°C ~ 40°C
	Humidity	10% ~ 80%, non-condensing	10% ~ 80%, non-condensing	10% ~ 80%, non-condensing
Dimensions and Weight	Product Dimension (With Stand, W x H x D)	17.9" x 14.5" x 3.5"	20.4" x 16.4" x 3.4"	20.4" x 16.4" x 3.4"
	Product Dimension (Without Stand, W x H x D)	17.9" x 12.5" x 2.4"	20.4" x 14.3" x 2.4"	20.4" x 14.3" x 2.4"
	Shipping Carton Dimension (W x H x D)	21.8" x 16.5" x 5.7"	23.8" x 19.9" x 5.8"	23.8" x 19.9" x 5.8"
Product Weight	Product Weight (With Stand)	9.5 lbs.	11.2 lbs.	11.2 lbs.
	Shipping Weight	12.3 lbs.	13.9 lbs.	13.9 lbs.
Environmental	Emission Standard	EMC, TCO 99	EMC	EMC
	RoHS Compliant	N/A	N/A	N/A
	Energy Star Compliant	■	■	■
	Product Recyclability	CCFL panel contains mercury, please dispose of properly	CCFL panel contains mercury, please dispose of properly	CCFL panel contains mercury, please dispose of properly
	Packaging Recyclability	All packing materials are recyclable	All packing materials are recyclable	All packing materials are recyclable
Package Contents		Monitor, Power Cable, 15-pin D-sub Cable, DVI-D Cable, Manuals, Driver CD	Monitor, Power Cable, 15-pin D-sub Cable, DVI-D Cable, Manuals, Driver CD	Monitor, Power Cable, 15-pin D-sub Cable, DVI-D Cable, Manuals, Driver CD
Warranty		3 years parts and labor	3 years parts and labor	3 years parts and labor

CHANGE FOR THE BETTER WITH ENERGY STAR