



imagine artisan meeting engineer.



Samsung Touch of Color Series LCD Monitors
SyncMaster T190/T220/T240/T260





Samsung T190 · T220 · T240 · T260

Touch of Color Series Widescreen LCD Monitors

imagine being inspired by something old to create something completely new. When sand was fused with soda for the first time around 2500 B.C., a new material was created: glass. And now Samsung designers have fused a clear-as-glass plastic with an opaque, rose-black plastic, to create something completely new in the monitor industry: the Samsung Touch of Color Series widescreen LCD monitors. Luxurious glass-like frames with gracefully sculpted edges join with rose-black bezels to give a soft hint of rich red. The result is an elegant monitor that feels more like handcrafted artwork than a high-performance office tool. The stunning Samsung Touch of Color widescreen LCD monitors. The fusion of high technology and high style. With Samsung, it's not hard to imagine.

There aren't other monitors like these anywhere. Of course.

Who we created ToC monitors for. Samsung ToC monitors are for anyone who believes that work doesn't always have to feel like work. They're for those who appreciate style and design even in ordinary things.



They're works of art. They'll be a pleasure to work on or game on or whatever on every day. They're an unexpected bright spot in an industry of sameness. And they're exactly what you should have been expecting from Samsung.

Samsung values design every bit as much as we value technology. We go to work every morning too, and just like you, we want to feel inspired when we walk in the door each morning. We feel very strongly that every product we put our logo on should both perform better and look better than anything else on the market. The latest result of that way of thinking is the beautifully hand-sculpted-feeling Touch of Color series monitors.



Reduces Glare While the crystal-like bezel frame catches light beautifully, it doesn't glare harshly. In fact, it actually reduces reflection of light off the bezel. ToC monitors are easier on your eyes, in more ways than one.

Better and Safer Since the rich red color is injection molded for a blown glass effect, instead of spray painted, there's less environmental impact.

Yes, it's a pretty face.
But it's also ready to work.



Lower Power Consumption

ToC monitors (T240, T260) are designed to be extremely efficient, and use up to a third less power than other monitors in their class. And the unique SoftPower off function lets you put it in standby mode right away, using just 0.3W.



Integrated USB Hub and HDMI Connection The ToC will become the center of your life. An integrated USB hub and HDMI connection let you connect all your digital devices, including HD gaming consoles (T240, T260).



You can't just sit and admire your Touch of Color monitor all day long. At some point, you have to turn it on and start working. When you do, you'll be every bit as impressed with the images as you are with the design.

20,000:1 Dynamic Contrast Ratio



Conventional



Samsung

The ToC monitors continually analyze the input signal and adjust the contrast to match. The ultra-wide range gives you blacks and whites that are full of detail, even under adverse lighting conditions.



Ultra-fast Response Time



Conventional



Samsung

2ms GTG response (T190, T220) and 5ms response (T240, T260) ensure blur-free videos and gaming.



Exclusive MagicColor™ Technology Samsung's MagicColor technology gives you richer, more natural color by enhancing the color overall (Full mode) or by enhancing color without affecting delicate skin tones (Intelligent mode).



Exclusive MagicBright 3™ Technology You can make the stunning picture even better. Samsung's MagicBright 3 technology gives you seven presets, so you can tailor your screen setting to the type of media you're viewing. Presets include Text, Internet, Game, Sport, Movie, Print View and Custom.



Windows Vista Premium Certification ToC monitors are designed to take full advantage of everything Windows Vista OS has to offer.

Customizable Hot Key Want to open a favorite application with one button? Or connect to the internet? Or adjust picture modes? A customizable hot key puts your favorite preference or command at the tip of your finger.

Multi Screen Need some organization in your life? Multi Screen can help. You can assign applications and open windows to different quadrants of the screen, and reduce desktop clutter. You can even specify that a certain application always open in a specific quadrant, so you'll always know right where it is.

Specifications		T190	T220	T240	T260
Display	Type	a-si TFT/TN	a-si TFT/TN	a-si TFT/TN	a-si TFT/TN
	Viewable Size	19" Wide	22" Wide	24" Wide	25.5" Wide
	Native Resolution	1440 x 900	1680 x 1050	1920 x 1200	1920 x 1200
	Pixel Pitch (mm)	0.285	0.282	0.270	0.287
	Aspect Ratio	16:10	16:10	16:10	16:10
	Contrast Ratio (Typical/Dynamic)	1000:1/20000:1	1000:1/20000:1	1000:1/20000:1	1000:1/20000:1
	Viewing Angle (Horizontal/Vertical)	170°/160° (CR>10)	170°/160° (CR>10)	160°/160° (CR>10)	170°/150° (CR>10)
	Response Time	2ms (GTG)	2ms (GTG)	5ms	5ms
	Light Source	CCFL	CCFL	CCFL	CCFL
	Color Gamut (NTSC %)	82%	82%	82%	82%
	Brightness (Typical)	300 cd/m ²	300 cd/m ²	300 cd/m ²	300 cd/m ²
Panel Surface	Matte	Matte	Matte	Matte	
Maximum Color Supported	16.7M	16.7M	16.7M	16.7M	
Video Input Signal	Analog	Analog RGB	Analog RGB	Analog RGB	Analog RGB
	Digital	DVI with HDCP	DVI with HDCP	DVI, HDMI	DVI, HDMI
	Frequency (H/V)	30~81kHz (H) / 56~75Hz (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, SOG	H/V Separated, Composite H/V, SOG	H/V Separated, Composite H/V, SOG	H/V Separated, Composite H/V, SOG
Compatibility	PC	Windows Vista Premium Certification, XP, 2000, 98	Windows Vista Premium Certification, XP, 2000, 98	Windows Vista Premium Certification, XP, 2000, 98	Windows Vista Premium Certification, XP, 2000, 98
	Mac	Mac OS Leopard, X, 9	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, USB 2.0, HDMI, 3-pin AC plug (CEE22), SPDIF	15-pin D-sub, DVI-D, USB 2.0, HDMI, 3-pin AC plug (CEE22), SPDIF
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	AC 100-240 ~ VAC (± 10%), 60 / 50 Hz ± 3 Hz
	Consumption (max/standby)	34 watts (max)/ <1watts (DPMS mode)	45 watts (max)/ <1watts (DPMS mode)	60 watts (max)/ <2watts (DPMS mode)	55 watts (max)/ <2watts (DPMS mode)
Controls	Basic	Power, Auto Adjustment, Source, Brightness up/down, Customized Key, OSD Menu	Power, Auto Adjustment, Source, Brightness up/down, Customized Key, OSD Menu	Power, Auto Adjustment, Source, Brightness up/down, Customized Key, OSD Menu	Power, Auto Adjustment, Source, Brightness up/down, Customized Key, OSD Menu
	Advanced	Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Color Tone, Color Control, Color Effect, Gamma), Image (Coarse, Fine, Sharpness, H position, V position), OSD (Language, H position, V position, Transparency, Display Time), Setup (Reset, Customized Key, Auto Source, Image Size, LED Brightness)	Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Color Tone, Color Control, Color Effect, Gamma), Image (Coarse, Fine, Sharpness, H position, V position), OSD (Language, H position, V position, Transparency, Display Time), Setup (Reset, Customized Key, Auto Source, Image Size, LED Brightness)	Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Color Tone, Color Control, Color Effect, Gamma), Image (Coarse, Fine, Sharpness, H position, V position), OSD (Language, H position, V position, Transparency, Display Time), Setup (Reset, Customized Key, Auto Source, Image Size, LED Brightness), AV mode (DVI, HDMI), HDMI black Level (HDMI)	Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Color Tone, Color Control, Color Effect, Gamma), Image (Coarse, Fine, Sharpness, H position, V position), OSD (Language, H position, V position, Transparency, Display Time), Setup (Reset, Customized Key, Auto Source, Image Size, LED Brightness), AV mode (DVI, HDMI), HDMI black Level (HDMI)
Features	Plug & Play	DDC 2B/DDC-CI	DDC 2B/DDC-CI	DDC 2B/DDC-CI	DDC 2B/DDC-CI
Special Features	Bezel/Cabinet Color	Rose Black/Black	Rose Black/Black	Rose Black/Black	Rose Black/Black
	Low Power Consumption	0.3 watts (Power off)/34 watts (max)	0.3 watts (Power off)/45 watts (max)	0.3 watts (Power off)/60 watts (max)	0.3 watts (Power off)/55 watts (max)
	Built-in USB	N/A	N/A	■ (1 up/2 down)	■ (1 up/2 down)
	Multi Screen (Screen Organizer)	■	■	■	■
Magic Technologies	Optical Digital Sound (SPDIF)	■	■	■	■
	MagicColor (Full and Intelligent Mode)	■	■	■	■
	MagicBright3 (Custom, Text, Internet, Game, Sport, Movie, Dynamic Contrast)	■	■	■	■
Operating Conditions	MagicTune (On-screen Asset Management with MagicWizard and MagicKey)	■	■	■	■
	Temperature	10° ~ 40° C	10° ~ 40° C	10° ~ 40° C	10° ~ 40° C
Dimensions and Weight	Humidity	10% ~ 80%, non-condensing	10% ~ 80%, non-condensing	10% ~ 80%, non-condensing	10% ~ 80%, non-condensing
	Product Dimension (With Stand, W x H x D)	17.9" x 15.7" x 7.7"	20.5" x 17.4" x 8.5"	22.6" x 18.8" x 9.6"	24" x 19.8" x 9.6"
	Product Dimension (Without Stand, W x H x D)	17.9" x 13" x 2.9"	20.5" x 14.4" x 2.9"	22.6" x 16.1" x 3.1"	24" x 17.1" x 3.1"
	Shipping Carton Dimension (W x H x D)	20.7" x 19.2" x 5.3"	23.7" x 21.3" x 5.6"	26" x 22.5" x 6.7"	27.6" x 22.3" x 7.3"
	Product Weight (With Stand)	10.1 lbs.	12.8 lbs.	15 lbs.	17.9 lbs.
Shipping Weight	13.7 lbs.	16.5 lbs.	20.3 lbs.	23.1 lbs.	
Stand Type	Tilt	Tilt	Tilt, Swivel	Tilt, Swivel	
Environmental	Emission Standard	EMC	EMC	EMC	EMC
	RoHS Compliant	■	■	■	■
	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	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	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	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	3 years parts and labor	

Product Information: 1-866-542-7214

Product Support: 1-800-SAMSUNG

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