

TFT-LCD Monitor Product Guide

SAMSUNG

DigitAlltechnology





In 1981, the world of technology went into overdrive. As the modern era of computers took off, Samsung launched its monitor division. Since then, our monitors have proven to be extraordinary, offering the most innovative features and functionality available to ensure that you get a true return on your investment and maximum value.

No matter what you require from your monitor, there's a Samsung TFT flat panel monitor that will deliver the sophisticated, cutting-edge solution you need.

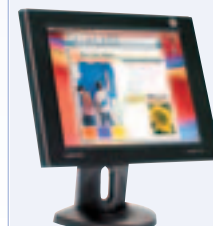
Samsung's flat panel monitors offer the most outstanding color gamut available for brilliant, bold colors that maintain depth and richness. With colors this dazzling, the competition pales in comparison.

Samsung's patented PVA Technology (Patterned multiple domain Vertical Alignment) is clearly one of the most exciting new leaps in digital monitor development. Liquid crystal cells are aligned in such a way that viewing angles are wider than with any other screen technology, a full and clear 170 degrees. In addition, the screen also features superior contrast and response time with excellent transmittance.



With a selectable 24-step image enhancement filter, you can customize your viewing experience to your applications and taste.

The Samsung SyncMaster 171S TFT combines value and low power consumption in one great monitor.



Samsung TFT-LCD monitors offer a slim design that gives you plenty of viewing space without taking up a lot of desk space.



Portrait or landscape. It's your choice with Samsung Pivot Technology.

Samsung TFT Monitors are VESA-compatible so they can be easily wall-mounted.



So, go ahead, demand a monitor that pushes technology farther than it's ever gone before. With Samsung, the possibilities are endless, because we don't just manufacture technology — we define it.



241MP



This 24" 4-in-1 display offers a TV tuner, HD-TV ready component, video and analog inputs in one slim flat panel.

211MP



This large, slim 21" HDTV-ready display shares the same features as its 24" cousin, but is slightly smaller with full range integral speakers.

171MP



This lightweight display's ultra-portable design can be placed on a desk or wall mounted to save space.

151MP



There's no limit to what you can do (or where you can go) with the portable luxury of the 151MP.

170MP



The 170MP is a VGA/RGB computer monitor with Picture-in-Picture, NTSC/S-video inputs and a built-in TV tuner.

150MP



The 150MP is a 3-in-1 display that provides razor-sharp images and brilliant colors for all applications.

Product Specifications

Panel	a-si TFT/PVA	a-si TFT/PVA	a-si TFT/PVA	a-si TFT/TN	a-si TFT/CE	a-si TFT/TN
Viewable Size	24"	21.3"	17"	15"	17"	15"
Pixel Pitch (mm)	0.270	0.270	0.264	0.297	0.264	0.297
Brightness (typical)	270cd/m ²	250cd/m ²	250cd/m ²	350cd/m ²	240cd/m ²	200cd/m ²
Contrast Ratio	500:1	500:1	500:1	450:1	400:1	300:1
Viewing Angle (H/V)	170°/170°	170°/170°	170°/170°	160°/150°	160°/160°	120°/110°
Interface	Analog	Analog	Analog	Analog	Analog	Analog
Input Video Signal	Analog RGB, CVBS, S-video, Component/HDTV, TV antenna/cable	Analog RGB, CVBS, S-video, Component/HDTV, TV antenna/cable	Analog RGB, CVBS, S-video, Component/HDTV, TV antenna/cable*	Analog RGB, CVBS, S-video, Component/HDTV, TV antenna/cable*	Analog RGB, CVBS, S-video, Component/HDTV, TV antenna/cable	Analog RGB, CVBS, S-video, Component/HDTV, TV antenna/cable
Sync Type	Separate H/V, Composite H/V, SOG	Separate H/V, Composite H/V, SOG	Separate H/V, Composite H/V, SOG	Separate H/V, Composite H/V, SOG	Separate H/V, Composite H/V, SOG	Separate H/V, Composite H/V, SOG
Input Connectors	15-pin D-sub, S-video, RCA connector, Component x 2, HDTV, TV antenna/cable	15-pin D-sub, S-video, RCA connector, Component x 2, HDTV, TV antenna/cable	15-pin D-sub, S-video, RCA connector, Component x 2, HDTV, TV antenna/cable*	15-pin D-sub, S-video, RCA connector, Component x 2, HDTV, TV antenna/cable*	15-pin D-sub, S-video, RCA connector, TV antenna/cable	15-pin D-sub, S-video, RCA connector, TV antenna/cable
Horizontal Frequency (kHz)	30 - 85	30 - 85	30 - 81	30 - 69	30 - 81	30 - 70
Vertical Frequency (Hz)	55 - 85	55 - 85	56 - 85	56 - 85	56 - 85	56 - 85
Bandwidth (MHz)	193	193	135	95	135	100
Maximum Resolution	1920 x 1200	1600 x 1200	1280 x 1024	1024 x 768	1280 x 1024	1024 x 768
Native Resolution (Optimum)	1920 x 1200	1600 x 1200	1280 x 1024	1024 x 768	1280 x 1024	1024 x 768
Colors Supported	16.7M	16.7M	16.7M	16.7M	16.7M	16.2M
Plug & Play	DDC 1/2B	DDC 1/2B	DDC 1/2B	DDC 1/2B	DDC 1/2B	DDC 1/2B
Wall Mount	Included	Included	VESA 100mm	VESA 75mm	VESA 100mm	VESA 75mm
Power Consumption (Max)	120 Watts (Max)	120 Watt (Max)	53 Watts (Max)	40 Watts (Max)	52 Watts (Max)	33 Watts (Max)
Emission Standard	TCO '95	TCO '95	TCO '99	TCO '99	TCO '95	TCO '95
Multimedia Speakers	Included	Included	Built-in	Built-in	Built-in	Built-in
Mac Compatibility	Yes	Yes	Yes	Yes	Yes	Yes
Sun Compatibility	Yes	Yes	Yes	Yes	Yes	Yes
Dimensions (inches, W x H x D)	24.3" x 18.6" x 8.4"	22.4" x 18.7" x 8.4"	16.2" x 16.3" x 8"	14.1" x 14.2" x 7"	17.6" x 17.2" x 8.1"	15" x 15" x 7.4"
Net Weight (lbs.)	26.7 lbs.	22 lbs.	10.7 lbs.	7.6 lbs.	14.3 lbs.	9.9 lbs.
Parts/Labor/Backlight Warranty (years)	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3
Available Colors	Silver	Silver	Silver	Silver	Silver	Silver

* With optional TV tuner

Cutting-Edge Monitors for Home, Home Office, and Office

Digital/Analog LCD Series

Sleek designs. Slim footprints. Flat screens. Unbelievable color and clarity. Perfect digital quality.

The SyncMaster Digital/Analog LCD Series delivers the highest quality images possible with dual analog and digital source inputs, producing crisp, clean video images and colors that pop.

With completely flat image areas, the Digital/Analog LCD Series provides images that are distortion free.

And with revolutionary Picture-in-Picture capability for full-size viewing of two different input sources full-screen, simultaneously, your productivity will grow by leaps and bounds.

Check stocks. Watch surgical procedures. Create extensive spreadsheets. Develop layered graphics. When you live in a Samsung world, there's no limit to what you can accomplish.

DIGITAL & ANALOG SERIES


240T


From CAD/CAM drawings to creating extensively layered graphics this monitor delivers larger than life performance.

210T


The versatile 210T offers an array of features including PIP, auto adjustment and precision color control.

Product Specifications		
Panel	a-is TFT/PVA	a-si TFT/PVA
Viewable Size	24"	21.3"
Pixel Pitch (mm)	0.270	0.270
Brightness (typical)	270cd/m ²	250cd/m ²
Contrast Ratio	500:1	500:1
Viewing Angle (H/V)	170°/170°	170°/170°
Interface	Analog/Digital	Analog/Digital
Input Video Signal	Analog RGB, DVI Digital link, S-video, C-video HDTV	Analog RGB, DVI Digital link, S-video, C-video HDTV
Sync Type	Separate H/V, Composite H/V, SOG	Separate H/V, Composite H/V, SOG
Input Connectors	15-pin D-sub, DVI-D, S-video, RCA cable	15-pin D-sub, DVI-D, S-video, RCA cable
Horizontal Frequency (kHz)	30 - 93	30 - 93
Vertical Frequency (Hz)	56 - 85	56 - 85
Bandwidth (MHz)	200	200
Maximum Resolution	1920 x 1200	1600 x 1200
Native Resolution (Optimum)	1920 x 1200	1600 x 1200
Colors Supported	16.7M	16.7M
Plug & Play	DDC 1/2B	DDC 1/2B
Wall Mount	VESA 100mm	VESA 100mm
Power Consumption (Max)	95 Watts(Max)	90 Watts (Max)
Emission Standard	TCO '95	TCO '95
Multimedia Speakers	Optional	Optional
Mac Compatibility	Yes	Yes
Sun Compatibility	Yes	Yes
Dimensions (inches, W x H x D)	24.4" x 19" x 9"	21.6" x 19" x 9"
Net Weight (lbs.)	30.4 lbs.	24.9 lbs.
Parts/Labor/Backlight Warranty (years)	3/3/3	3/3/3
Available Colors	Silver	Silver, Black

191T



With a 1280 x 1024 native resolution, the thin beveled 191T delivers ultra-sharp images with absolutely no flicker.

181T



The 181T features an incredibly thin bezel to give you more viewing area while taking up less space.

172T



The 17" 172T offers both digital and analog capabilities for the sharpest, highest quality video images possible.

152T



The high precision 152T offers a full 15" viewable display with both analog and digital input sources.

a-si TFT/PVA

19"

0.294

250cd/m²

500:1

170°/170°

Analog/Digital

Analog RGB, DVI Digital link

Separate H/V,
Composite H/V, SOG

15-pin D-sub, DVI-D

30 - 81

56 - 85

135

1280 x1024

1280 x1024

16.7M

DDC 1/2B

VESA 100mm

41 Watts (Max)

TCO '99 - Silver/TCO '95 - Black

Yes

Yes

16.4" x 17.7" x 8.2"

13 lbs.

3/3/3

Black

a-si TFT/PVA

18.1"

0.281

250cd/m²

500:1

170°/170°

Analog/Digital

Analog RGB, DVI Digital link

Separate H/V,
Composite H/V, SOG

15-pin D-sub, DVI-D

30 - 81

56 - 85

135

1280 x1024

1280 x1024

16.7M

DDC 1/2B

VESA 100mm

40 Watts (Max)

TCO '99 - Silver/TCO '95 - Black

Yes

Yes

15.7" x 17.4" x 8.2"

12.8 lbs.

3/3/3

Black

a-si TFT/PVA

17"

0.264

250cd/m²

500:1

170°/170°

Analog/Digital

Analog RGB, DVI Digital link

Separate H/V,
Composite H/V, SOG

15-pin D-sub, DVI-D

30 - 81

56 - 75

135

1280 x1024

1280 x1024

16.2M

DDC 1/2B

VESA 100mm

42 Watts (Max)

TCO '99

Yes

Yes

15.2" x 15.6" x 8.5"

10.3 lbs.

3/3/3

Silver, Black

a-si TFT/TN

15"

0.297

350cd/m²

450:1

160°/150°

Analog/Digital

Analog RGB, DVI Digital link

Separate H/V,
Composite H/V, SOG

15-pin D-sub, DVI-D

30 - 61

56 - 75

80

1024 x 768

1024 x 768

16.2M

DDC 1/2B

VESA 75mm

31 Watts (Max)

TCO '99

Yes

Yes

14.1" x 13.6" x 7.3"

6.4 lbs.

3/3/3

Silver, Black

From F. A. Porsche Digital/Analog LCDs to affordable Analog LCDs — compromise is not part of the picture.

F. A. Porsche Design

One look at the Samsung 171P explains why it's earning top honors including an 8 out of 10 rating from *CNET* who says this display is "...as much a business tool as a desktop trophy." It was also praised for its "stellar image quality." *PC Magazine* advised its readers to put the 171P "...at the top of your list."

Closely following this new tradition of excellence is the slightly smaller 151P with a 15" screen, tack-sharp image and elegant Porsche lines.

Analog LCD Series

From the corporate office to the home office, our analog LCDs deliver high contrast, crisp text and lightning fast response time — all in an ultra-slim, lightweight design.

The brilliant color, razor-sharp image clarity and superior image quality of these cutting-edge monitors let you set your imagination free — while saving valuable space on your desktop.

These displays save more than space. They could also save your budget. Let others compromise: we'd rather maximize your investment.



171P



The F. A. Porsche designed 171P's Digital Video Interface guarantees sharper images and more accurate video reproduction.

151P



The F. A. Porsche designed 151P offers digital/analog inputs, a 450:1 contrast ratio and 1024 x 768 maximum resolution.

Product Specifications		
Panel	a-si TFT/PVA	a-si TFT/TN
Viewable Size	17"	15"
Pixel Pitch (mm)	0.264	0.297
Brightness (typical)	250cd/m ²	350cd/m ²
Contrast Ratio	500:1	450:1
Viewing Angle (H/V)	170°/170°	160°/150°
Interface	Analog/Digital	Analog/Digital
Input Video Signal	Analog RGB, DVI Digital link	Analog RGB, DVI Digital link
Sync Type	Separate H/V, Composite H/V, SOG	Separate H/V, Composite H/V, SOG
Input Connectors	15-pin D-sub, DVI-D	15-pin D-sub, DVI-D
Horizontal Frequency (kHz)	30 - 81	30 - 61
Vertical Frequency (Hz)	56 - 85	50 - 75
Bandwidth (MHz)	135	80
Maximum Resolution	1280 x 1024	1024 x 768
Native Resolution (Optimum)	1280 x 1024	1024 x 768
Colors Supported	16.7M	16.2M
Plug & Play	DDC 1/2B	DDC 1/2B
Wall Mount	N/A	N/A
Power Consumption (Max)	40 Watts (Max)	31 Watts (Max)
Emission Standard	TCO '99	TCO '99
Multimedia Speakers		
Pivot Technology	Yes	Yes
Mac/Sun Compatibility	Yes/Yes	Yes/Yes
Dimensions (inches, W x H x D)	16.7" x 18" x 8.1"	15" x 15.9" x 7.5
Net Weight (lbs.)	13.7 lbs.	10.1 lbs
Parts/Labor/Backlight Warranty (years)	3/3/3	3/3/3
Available Colors	Silver	Silver

172B



The latest in LCD technology, the 172B multi-media display produces crisp text and images with superior brightness.

152B



Flicker-free viewing from almost any angle, this multi-media monitor collapses into its own base for easy wall mounting.

171S



The sleek designed 171S gives you more space, more screen, and more performance for the price.

151S



The thin bezel design of the 151S has recently been selected as an Editors' Choice from CNET.

a-si TFT/PVA

17"

0.264

250cd/m²

500:1

170°/170°

Analog

Analog RGB

Separate H/V,
Composite H/V, SOG

15-pin D-sub

30 - 81

56 - 75

135

1280 x1024

1280 x1024

16.7M

DDC 1/2B

VESA 75mm

42 Watts (Max)

TCO '99

Built-in

Yes/Yes

15.1" x 15.6" x 8.5"

10.3 lbs.

3/3/3

Silver, Black

a-si TFT/TN

15"

0.297

350cd/m²

450:1

160°/150°

Analog

Analog RGB

Separate H/V,
Composite H/V, SOG

15-pin D-sub

30 - 61

56 - 75

80

1024 x 768

1024 x 768

16.2M

DDC 1/2B

VESA 75mm

31 Watts (Max)

TCO '99

Built-in

Yes/Yes

14.1" x 13.6" x 7.3"

6.4 lbs.

3/3/3

Silver, Black

a-si TFT/TN

17"

0.264

250cd/m²

350:1

150°/125°

Analog

Analog RGB

Separate H/V,
Composite H/V, SOG

15-pin D-sub

30 - 81

56 - 85

135

1280 x1024

1280 x1024

16.7M

DDC 1/2B

VESA 100mm

40 Watts (Max)

TCO '99 - Ivory/TCO '95 - Black

Yes/Yes

17.5" x 18" x 8.2"

13 lbs.

3/3/3

Ivory, Black

a-si TFT/TN

15"

0.297

250cd/m²

330:1

140°/120°

Analog

Analog RGB

Separate H/V,
Composite H/V, SOG

15-pin D-sub

30 - 60

56 - 75

80

1024 x 768

1024 x 768

16.2M

DDC 1/2B

VESA 75mm

30 Watts (Max)

TCO '99 - Ivory/TCO '95 - Black

Yes/Yes

15.4" x 14.5" x 6.8"

8.8 lbs.

3/3/3

Ivory, Black




152T
9/02



2002



152T
9/02



240T
4/02



241MP
5/02



170MP
7/01



240T
7/02



240T
6/02



171P
2/02



151S
4/02



171MP
1/02

While Samsung creates some of the most advanced products in the world, there's something refreshingly classic about how things get done. Our products aren't just built, they're built around you. We make many of our own components, instead of shopping them out. We also work closely with other companies who share our commitment to excellence. Tight control like this improves your output, lowers costs and makes sure you get the quality you expect. It's technology with craftsmanship. ■

“Samsung's SyncMaster 241MP is the ultimate presentation powerhouse.”

CRN TECH BUILDER XCHANGE
Redefining 'Ultimate'
By John Yacono
May, 2002

SAMSUNG DIGIT_{all}
everyone's invited.™

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