Plasma Flat Panel TV

2005 Collection
42"/50"/63"

SAMSUNG

Plasma TVs by Samsung

Samsung's HD Plasma Flat Panel TVs with Premium "Bezel-Less" design pack high performance into a slim case that's less than 4" deep. With some of the highest brightness and contrast ratings offered for plasma TVs, 549 billion possible colors, and Samsung's DNIe™ image enhancer, Samsung's Gen-5 plasma panels deliver an unbelievable picture from nearly any source. Plus, they're ready for tomorrow's technology today, thanks to their built-in HD tuners, purely digital HDMI™ inputs and digital cable ready CableCARD™* technology. The result is a sleek, elegant TV that displays one of the clearest, most detailed HD images you've ever seen.
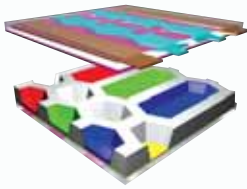
Award-winning performance

Samsung's 50" Plasma Flat Panel TV (Model HP-R5072) received the 2005 Innovation Award at the International Consumer Electronics Show.

Gen-5 Plasma Technology

Samsung's Gen-5 (fifth generation) Plasma Display Panel (PDP) sets the benchmark for contrast and brightness. Its 10,000:1 contrast ratio and 1,300 cd/m^2 brightness** are among the highest in the industry. It delivers deep, rich darks and bright whites. Plus, 13-bit processing means it can display 549 billion colors. Samsung is also one of the only brands that builds its own PDPs.

** HP-R6372: 3000:1 Contrast Ratio, 1000 cd/m^2 Brightness

New Premium "Bezel-Less" Design

Samsung's new floating screen plasma TV creates an image that looks as if it is suspended in thin air. The new, Premium "Bezel-Less" design delivers a big, beautiful picture without boundaries. A sleek black frame and bottom-mounted speakers are perfect for elegant, modern décors.

13-bit Processing

Samsung's 13-bit processing method produces 549 billion lifelike colors and aids in video signal processing of analog sources to ensure a more natural and vivid picture.

Conventional

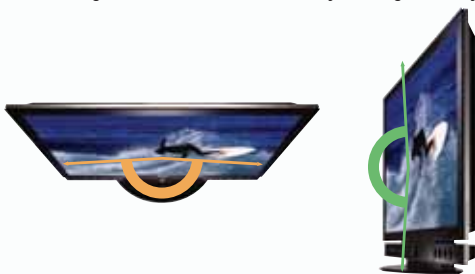10 bit = 2^{10} = 1024 steps
= 1 billion colors

Samsung Gen-5 PDP

13 bit = 2^{13} = 8192 steps
= 549 billion colors

Ultra-Wide Viewing Angle

To the left and right, Samsung's 175-degree vertical and horizontal wide-viewing screen solution ensures easy viewing from any angle.

Horizontal Angle – 175˚   Vertical Angle – 175˚

DNIe™ Samsung's DNIe – Digital Natural Image engine™

Without   With

Samsung's Digital Natural Image engine makes input signals sharper, clearer and more lifelike. Its advanced image processors help to create true-to-life colors and high contrast, while virtually eliminating digital artifacts.

Without DNIe™   With DNIe™

Motion Optimizer

Fast-moving images are optimized to produce more natural-looking motion, thus reducing video noise or blurring.

Without DNIe™   With DNIe™

Contrast Enhancer

Brightness and contrast levels are enhanced for deeper, richer blacks with greater detail, and more natural whites.
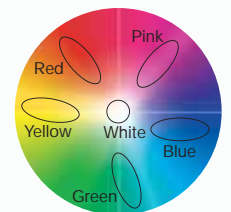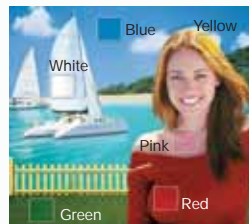
Without DNIe™   With DNIe™

Detail Enhancer

DNIe analyzes video signal elements in order to produce sharper detail, clearer image separation and more natural edge transition.

Without DNIe™   With DNIe™

Color Optimizer

Colors are reproduced with a more lifelike realism, whites are more accurate, and skin tones are given a more natural hue.

Blue   Yellow
White
Pink
Green   Red

Pink
Red
Yellow   White
Blue
Green

My Color Control

Samsung's patented "My Color Control" technology allows you to control specific colors without affecting the whole screen. Now, Samsung provides six color-control selections: white, red, pink, yellow, green and blue. It's your picture – you decide.

High Definition Plasma Televisions

- New Samsung Gen-5 Plasma Display Panel
  - 10,000:1 Contrast Ratio
  - 1,300 cd/m^2 Brightness**
- New Premium "Bezel-Less" Design
- 1366 (H) x 768 (V) Pixel Resolution
- 60,000-Hour Panel Life***
  (27 Years @ 6 Hours/Day)
- Digital Cable Ready (DCR) Tuner with CableCARD* Slot
- Built-in HDTV tuner (ATSC terrestrial tuner)
- 13-bit Processing (549 billion colors)
- Split Screen & Picture-in-Picture
- Samsung DNIe (Digital Natural Image engine)

- 175° (H/V) Viewing Angle
- 3D Y/C Digital Comb Filter
- Auto Pixel Shift (burn-in resistant)
- 15-watt per-channel built-in audio amplifier
- Built-in 2-way, 10-speaker system
- SRS TruSurround XT™
- HDMI, 2 Component Video, 2 S-Video, 2 Composite Video, PC Inputs and more
- Anynet™ System Control Solution
- VESA® compatible

  * Cable TV features like Pay-Per-View and Video-On-Demand require a cable box. CableCARD is provided by your cable service provider.
  ** HP-R6372: 3000:1 Contrast Ratio, 1000 cd/m^2 Brightness
 *** Claim represents phosphor "half life" viewing time under normal conditions, after which picture brightness is 50% less than new.
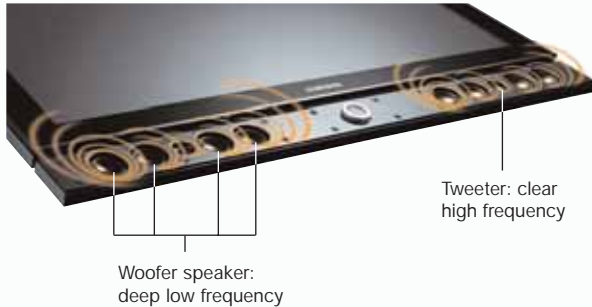
| HP-R6372 | 63" | HP-R5072 | 50" | HP-R4272 | 42" |

Audio System

2-Way, 10-Speaker System

Experience theater-quality sound from your Samsung Plasma TV's built-in speakers. Located in the slim base of the TV, the 2-Way, 10-Speaker System delivers 30 watts of high-performance sound effects and enhanced sound clarity to your living room.

Tweeter: clear high frequency

Woofer speaker: deep low frequency

SRS TruSurround XT™

High-quality virtual surround sound can be experienced with just the speakers built into your TV. SRS TruSurround XT technology delivers an amazing, simulated 3-D effect with clear dialog and powerful bass.
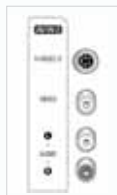
Convenience

Anynet™ System Control Solution

Samsung Anynet lets you control all of your Anynet-enabled Samsung components through the TV's remote control.
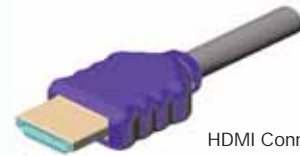
Side A/V Input

Easily connect and swap devices such as video cameras and game consoles without having to access the back of the TV. Includes composite Audio/Video and S-Video.

Worry-free Connections

High Definition Multimedia Interface™

HDMI allows for the near-flawless pure digital transmission of both visual and audio digital signals. With the built-in application of the most up-to-date HDCP (High Bandwidth Digital Content Protection), compatibility is assured with both current and future digital devices. Fully backward compatible with DVI™-enabled devices (adapter required).

HDMI Connector

DTV and DVD Compatible

Connect your DVD and DTV sources with two smart component video (Y/Pb/Pr) inputs that accept 480i/480p/720p/1080i signals.

PC Compatible

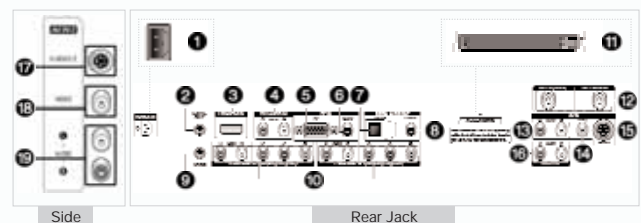A Samsung Plasma TV can also function as a PC monitor.

Digital Cable Ready

Use your Samsung TV's remote to enjoy the world of digital cable and HDTV, thanks to CableCARD™ technology*. For the times when digital cable features require a set-top box, such as Video-on-Demand, you can connect that box to a second input.

Digital Connectivity

Side

Rear Jack

1. Power In
2. Service Only
3. HDMI/DVI In
4. DVI Audio In (R-Audio-L)
5. PC In
6. PC Audio In
7. Optical Digital Audio Out

8. Coaxial Digital Audio Out
9. Anynet
10. Component In 1,2
11. CableCARD™
12. ANT In 1,2
13. A/V In (L-Audio-R)

14. Video In
15. S-Video In
16. Audio Out

Side A/V Input
17. S-Video In
18. Video In
19. Audio In (L,R)

Specifications

TVs not shown to scale.

Model		HP-R6372	HP-R5072	HP-R4272
Display	Screen Size (Diagonal)	**63" HDTV**	**50" HDTV**	**42" HDTV**
	Aspect Ratio	16:9	16:9	16:9
	HDTV Tuner	Built-In (NTSC/ATSC/DCR)		
	Brightness (cd/m²)	1,000	1,300	1,300
	Contrast Ratio	3,000:1	10,000:1	10,000:1
	Digital Cable Ready (DCR) Tuner	Yes		
	Viewing Angle (H/V)	175°/175°	175°/175°	175°/175°
	Pixel Resolution (H/V)	1366 x 768	1366 x 768	1024 x 768
Picture	Progressive Scanning	Yes	Yes	Yes
	Digital Comb Filter	Yes (3D)	Yes (3D)	Yes (3D)
	Picture Mode	Dynamic/Standard/Movie/Custom		
	Color Tone Mode	Cool2, Cool1, Normal, Warm1, Warm2		
Sound	Power Output (RMS)	15W x 2	15W x 2	15W x 2
	SRS TruSurround XT™	Yes	Yes	Yes
	Speakers	2-Way, 10-Speaker		
	Sound Mode	Standard, Custom, Music, Movie, Speech		
Features	DNIe™	Yes	Yes	Yes
	Picture-In-Picture (PIP)	Yes	Yes	Yes
	PIP Format	Small, Large, Double Screen 1, 2		
	Anynet™	Yes	Yes	Yes
	My Color Control	Yes	Yes	Yes
	V-Chip	Yes	Yes	Yes
	Aspect Ratio Control	Wide/Normal/Panorama/Zoom 1/Zoom 2		
	Closed Caption	Yes	Yes	Yes
	On-Screen Display	English, French, Spanish		
	Sleep Timer/On/Off Timer	Yes (Max 180 min)		
	Auto Power Off	Yes	Yes	Yes
Connections	Antenna In (1-NTSC, 1-ATSC)	2	2	2
	HDMI In	1		1
	Component (Y/Pb/Pr) In	2 (480i/480p/720p/1080i)		
	S-Video In	1 Rear/1 Side		
	Composite A/V (RCA) In	1 Rear/1 Side		
	Anynet	1	1	1
	Digital Audio Out (Optical/Coaxial)	1/1	1/1	1/1
	PC Input	D-sub 15 pin (VGA~WXGA)		
	CableCARD™ Slot	1	1	1
Power	Consumption on working	TBD	420W	380W
	Stand By	TBD	<20W	<20W
	Input Power	110V ~ 260V (50/60Hz)		
Wall-mounting		VESA Compatible	VESA Compatible (600mm x 400mm)	VESA Compatible (600mm x 400mm)
Dimensions	With speakers	59.3 x 3.9 x 39.0	48.4 x 3.7 x 32.5	41.7 x 3.7 x 29.1
(WxDxH, inches)	With speakers and stand	59.3 x 16.2 x 41.4	48.4 x 13.2 x 34.3	41.7 x 13.4 x 30.6
	Shipping	64.0 x 22.0 x 46.0	53.5 x 18.7 x 39.7	45.7 x 17.9 x 36.1
Weight (lbs)	Net	191.8	114.0	93.5
	Shipping	218.3	135.6	133.4
UPC		036725 2 6372 7	036725 2 5040 6	036725 2 4260 9

For more information, log on to www.samsung.com

PLASMA-BRO-2500

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