

HP-R4252

42" High Definition Plasma TV with Integrated ATSC/Digital Cable Ready (DCR) Tuner

Plasma



TV/VIDEO

- New Samsung Generation 5 Panel
 - 10,000:1 Contrast Ratio
 - 1,300 cd/m² Brightness
- New Premium "Bezel-Less" Design
- 60,000 Hour Panel Life* (27 Years @ 6 Hours/Day)
- 1024 (H) x 768 (V) Pixel Resolution
- Wide Screen Aspect Ratio
- Digital Cable Ready (DCR) Tuner with CableCARD Slot
- NTSC/ATSC Tuner Built-In
- 12-Bit Processing (68.7 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)
- Fanless Cooling System for Quiet Operation
- FCC Class B Certification for Residential Applications
- Discrete IR Code Capability
- VESA Compatible

AUDIO

- 15-Watt Per Channel Built-In Audio Amplifier
- Built-In 2-Way, 4-Speaker System
- SRS TruSurround XT™

CONNECTIONS

- HDMI – High Definition Multimedia Interface
- 2 Component Video Inputs (Y,Pb,Pr)
- S-Video and Composite Video Input
- PC (RGB) Input
- Anynet™ System Control Solution



* Claim represents phosphor "half life" viewing time under normal conditions after which picture brightness is 50% less than new.

All on screen images are simulated pictures.

All features, specifications, & model numbers subject to change.

SAMSUNG

Samsung, an industry leader in plasma flat panel displays, offers the latest technology to you in our most convenient and stylish package to date. Our 5th generation plasma panel combined with proprietary electronic chassis design, incorporating our latest DNIe picture enhancement circuitry; results in outstanding brightness, contrast and overall picture clarity. The HP-R4252 is a true plug-and-play plasma TV with an integrated NTSC/ATSC/Digital Cable Ready (DCR) tuner, allowing for viewing of HD programs without the need for a set-top box*. Everything you'll need in a digital flat panel TV is here - a jack pack with the latest digital connectors and integrated speakers. Performance and convenience in a package that's less than 4" deep makes the HP-R4252 the clear choice.

* Availability of high definition programming varies by region, please check with the provider in your area.

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DESIGN

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 means there's no frame around the TV for a big, beautiful picture without boundaries. Bottom-mounted speakers and a sleek silver/black color scheme are perfect for elegant, modern decors.



VIDEO

12-bit Processing (68.7 Billion Colors)

When it comes to reproducing natural images, Samsung TVs are unrivaled. Thanks to the new 12-bit processing capability of DNIe™, Samsung TVs can produce over 68 billion colors and over 4,000 shades of gray. Compare that to most competitors' 10-bit processing systems that produce just one billion colors. From the faint sunlight of dawn to the extreme spotlights of a fashion show, Samsung Plasma TVs provide vivid, life-like images that rival reality.

Conventional Plasma

10bit = 2^{10} = 1024 Steps = 10 Billion

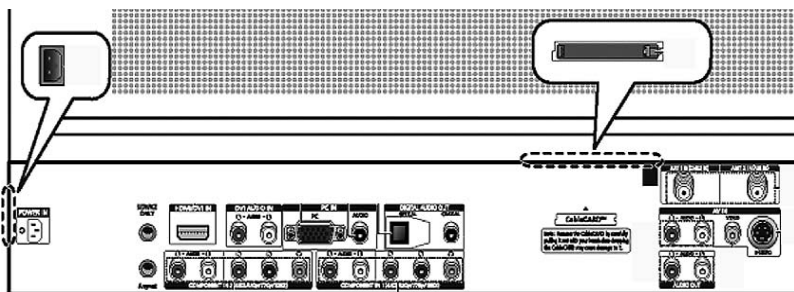


Samsung New Plasma

12bit = 2^{12} = 4096 Steps = 68.7 Billion



sma



VIDEO

Samsung's DNIe™

DNIe™

Samsung's revolutionary DNIe™ (Digital Natural Image engine) technology offers digital perfection in naturally presented, crystal-clear images that uncover even the most minute detail.



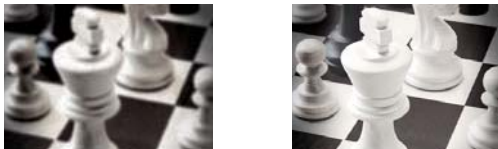
Motion Optimizer

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



Contrast Enhancer

Brightness and contrast levels are enhanced for deeper, richer blacks with greater detail and more natural whites.



Color Optimizer

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



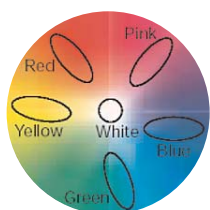
Detail Enhancer

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



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.



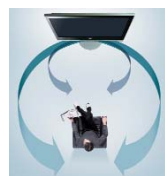
AUDIO

Optimized Sound for Home Theater System



SRS TruSurround XT™

With Samsung's Plasma TV technology, true theater quality sound can be experienced with just 2 speakers. SRS TruSurround XT™ delivers an amazing simulated effect using these features:



- TruSurround™
6CH Surround Effect
- TruBass
Virtual Woofer Effect
- Dialog Clarity
Virtual Center Effect
- WOW™
Stereo Enhancement

CONVENIENCE



Anynet™ System Control Solution

Control all your Samsung A/V components through a single TV remote with Samsung's Anynet™. Anynet™ is a network control solution for operating Samsung devices, allowing you to control key functions of the A/V devices connected to your TV via on screen menu. Many Samsung home theater components now feature Anynet™.



High Definition Multimedia Interface

HDMI allows for the transmission of both video and audio digital signals through a single connection for higher quality and fewer wires.



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

Enjoy digital cable and HDTV without a set-top box, thanks to CableCARD™ technology. Your Samsung TV's remote controls it all. Simply plug your cable-company supplied CableCARD into your TV, connect your signal and you're ready to go.

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Remote Control

SPECIFICATIONS

10,000:1 Contrast Ratio/1300 cd/m² Brightness. Two of the most important factors in overall picture quality, contrast and brightness, achieve new heights in these latest generation plasma panels. Together with the DNle proprietary circuitry, Samsung's new plasma TV's give the most stunning realistic picture quality ever from a flat panel set.

60,000 Hour Panel Life. Samsung's new 5th generation panels are made to last longer, so you can be confident that the high picture quality will endure.

1024 Horizontal x 768 Vertical Pixel Resolution presents video and text with outstanding clarity and resolution.

Digital Cable Ready (DCR) Tuner with CableCARD Slot:

Use your Samsung TV's remote control to enjoy the world of digital cable and HDTV.

CableCARD means that your TV connects directly to your cable signal without the need for a separate cable box. Simply plug your cable company supplied CableCARD into the slot in your Samsung TV, connect your signal and you're ready to go.

- Easy to use - There's no external box and only one remote control.

- Digital cable boxes - Samsung TVs with CableCARD are also compatible with digital cable boxes that enable two-way transmissions, such as Pay-Per View (PPV).

68.7 Billion Colors/12-bit Processing:

When it comes to reproducing natural images, Samsung TVs are unrivaled. Thanks to the new 12-bit processing capability of DNle™, Samsung TVs can produce over 68 billion colors and over 4,000 shades of gray. Compare that to most competitors' 10-bit processing systems that produce just one billion colors. From the faint sunlight of dawn to the extreme spotlights of a fashion show, Samsung Plasma TVs provide vivid, life-like images that rival reality.

PIP with Side-By-Side Split Screen

enables convenient simultaneous viewing of TV programs and video or PC sources.

DNle™ The Samsung Digital Natural Image engine. This exclusive Samsung technology dramatically improves the picture

by enhancing the contrast, detail, white balance and reduces noise.

My Color Control

Because everyone sees colors differently, Samsung's DNle™ with My Color Control allows you to adjust the individual colors of your set without distorting other colors. The range of color adjustment includes Red, Green, Blue, Yellow, Red and White. This ensures true to life colors such as green grass, blue sky and realistic skin tones. White Tone Enhancement also ensures the purest, brightest whites possible. DNle with My Color Control gives A/V enthusiasts a powerful tool for customizing their picture.

175°(H)/175°(V) Viewing Angle

3D Y/C Digital Comb Filter constantly analyzes the three dimensions of picture height, picture width, and picture changes over-time, to dramatically reduce edge image artifacts while improving transition detail.

Fanless Cooling System. Fanless cooling design means low noise operation.

FCC Class B Certification for Residential Applications. Meets FCC regulation for "Class B" and is shielded for reliable, interference-free operation in your home.

Discrete IR Codes. This set is equipped with discrete IR codes for use with a macro/programmable remote for key functions.

15-Watt Per Channel Built-in Audio Amplifier. Powerful built-in amplifier to drive the integrated stereo speakers.

SRS TruSurround XT™. TruSurround is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through the two-speaker internal playback system.

Anynet™ System Control Solution:

Control all your Samsung A/V components through a single TV remote with Samsung's Anynet™. Anynet is a network control solution for operating Samsung devices, allowing you to control key functions of the A/V devices connected to your TV via on screen menu. Many Samsung home theater components now feature Anynet.

Color Tone: Cool2/Cool1/Normal/Warm1/Warm2

Picture Mode: Dynamic/Standard/Movie/Custom

Sound Mode: Standard/Custom/Music/Movie/Speech

Aspect Ratio: 16:9/Panorama/Zoom1/Zoom2/4:3

Closed Caption (CC)¹ displays dialog that can be read along with encoded broadcast TV programs and pre-recorded videos.

Trilingual On-Screen Displays in English, French or Spanish.

Power Consumption: Approximately 370 watts (Power-On)

CONNECTIONS

Composite Video Input: 1

Audio L/R: 1

S-Video Input: 1

Component A/V Input (480i/480p/720p/1080i): 2

PC (RGB) Input: 1

PC Audio Input: 1

HDMI Input: 1

DVI Audio L/R: 1

RF Input: 2 (1-NTSC, 1-ATSC)

CableCARD Slot: 1

Audio Monitor Output: 1

Digital Audio Output: 1 (1-Optical, 1-Coaxial)

ACCESSORIES

User Manual, Remote Control, Battery, Power Cord

NET DIMENSIONS AND WEIGHT (WXHXD)

Monitor with Speakers:

41.7" x 29.1" x 3.7"

Monitor with Speakers and Stand:

41.7" x 30.6" x 13.4"

Monitor Weight: 93.5 lbs.

SHIPPING DIMENSIONS (WXHXD)

Shipping Dimensions:

45.7" x 36.1" x 17.9"

Shipping Weight: 133.4 lbs.

ORDER CODE

HPR4252X/XAA

UPC

036725242548

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