



Philips
projection TV

109 cm (43")
HD Ready

43PP8545



Realize a big entertainment future

Change the way you look at things. Philips projection televisions make BIG high definition images a part of the way you see the world. And with the latest in image technology, you won't miss a thing.

Be an eyewitness

- 100Hz Digital Scan produces a stable, more relaxing picture
- Progressive Scan component video for optimized image quality
- HDTV Monitor for the highest quality display of HDTV signals
- Acclearium Digital Optics give sharper more detailed images
- Scratch-resistant Saphlon Screen for reduced glare

Technology Made Simple

- Active Control optimizes picture quality whatever the source
- Auto IntelliSense adjusts the convergence with one touch
- APAC compensates for premature aging from stationary images

Enrich your sound experience

- Virtual Dolby Surround for a cinema-like audio experience

PHILIPS

Highlights

100Hz Digital Scan

A conventional TV shows a picture by scanning 50 times per second (50Hz). This frequency can be detected by the human eye in the form of a flickering picture. 100Hz sets show a picture by scanning 100 times per second eliminating the field flickering. Philips' digital scan doubles the rate of line flicker, making it undetectable. The result is a more stable picture that is relaxing for your eye.

Progressive Scan

Progressive Scan doubles the vertical resolution of the image resulting in a noticeably sharper picture. Instead of sending a field comprising the odd lines to the screen first, followed by the field with the even lines, both fields are written at one time. A full image is created instantaneously, using the maximum resolution. At such a speed, your eye perceives a sharper picture with no line structure.

HDTV Monitor

HDTV is the latest and best television signal available. It produces picture quality more than twice that of traditional analog broadcasts. In

order to effectively maximize the HDTV signal, a television must incorporate advanced signal input connectivity

Acclearium Digital Optics

The Philips Acclearium Digital Optics system provides cutting edge processing and display technology, including micro phosphor CRT tubes, hybrid 4-element projection lenses, fine pitched contrast enhancing Lenticular screen and Philips exclusive Wideband Video Amplifier.

Saphlon Screen

Saphlon is a screen coating technology that helps to prevent scratches or damage, while also improving the picture by allowing more light output and reducing glare. You enjoy a brighter picture, and your set looks better for longer.

Active Control

Active Control ensure that noise and sharpness improvements are continuously made at a rate of 60 times per second. By continually adjusting picture setting over 3,000

times per minute, Active Control Plus ensures that the viewing experience is optimized.

Auto IntelliSense

When repositioning a CRT-based projection TV, the tubes have to be adjusted to minimize the impact of magnetic interference on the picture. Auto IntelliSense automatically adjusts the convergence with one touch of a button, ensuring a sharp picture free from color bleeding.

APAC

Automatic Phosphor Aging Compensation (APAC) is a Philips technology that is designed to help reduce the chances of image retention on a television screen. It prolongs the life of your TV's tube.

Virtual Dolby Surround

Virtual Dolby Surround is a processing technology for enhancing surround sound effects. It will create the sensation of Dolby Pro Logic without the necessity of additional rear speakers. You become totally immersed in your television experience.



Specifications

Picture/Display

- Aspect ratio: 4:3
- Size (inch): 43 inch
- Display technology: Projection TV, CRT, 7" liquid cooled
- Picture enhancement: 100 Hz Digital Scan, Progressive scan, Acclearium Digital Optics, Digital Crystal Clear, Auto Intellisense, Active Control, Dynamic Contrast, Comb Filter Digital, APAC, Color Temperature Adjustment, Digital Noise Reduction
- Screen enhancement: Saphlon Screen, Anti-Reflection, Anti ageing circuit, High Brightness, High Contrast
- Viewing angle (H / V): 160 / 30 degree

Supported Display Resolution

Computer formats

Resolution	Refresh rate
640 x 480	60Hz

Video formats

Resolution	Refresh rate
480p	60Hz
576p	50Hz
1080i	60Hz
576i	100Hz

Sound

- Sound Enhancement: Auto Volume Leveller
- Output power (RMS): 30W RMS (50Hz-10kHz at 5% THD)
- Bass enhancement: Bass Boost
- Speaker diameter: 4" x 6"
- Type: 2 Full Range Oval

Convenience

- Ease of Use: Picture Freeze
- Remote control type: RCS82D
- Teletext: 100 page Smart Text
- Remote control: Standard, with Batteries
- Clock: Sleep Timer

- Child Protection: Child Lock
- User convenience: Auto Program, Auto Aspect Ratio Adaptation, Auto Picture Modes, Auto Sound Modes
- OSD Languages: English, Simplified Chinese, Malay

Tuner/Reception/Transmission

- TV system: NTSC, PAL B/G, PAL D/K, PAL I, SECAM B/G, SECAM D/K
- Aerial Input: 75 ohm coaxial (IEC75)
- Auto store

Connectivity

- AV 1: 480i 60Hz, 576i 50Hz, CVBS in, YPbPr, Audio L/R in
- AV 2: 480i 60Hz, 576i 50Hz, CVBS, S-Video Y/C, Audio L/R in
- AV 3: Side, 480i 60Hz, 576i 50Hz, CVBS in, S-Video Y/C, Audio L/R in, Headphones out
- AV 4: 1080i 60Hz, 480p 60Hz, 576p 50Hz, YPbPr, RGB+H/V
- AV 5: 1080i 60Hz, 480p 60Hz, 576p 50Hz, DB15, RGB+H/V
- Output rear: Subwoofer out, Audio L/R out, CVBS monitor out

Power

- Standby power consumption: < 1 W
- Mains power: 90-276V, 50-60Hz
- Complies with: Energy Star
- Consumption (On mode): 180W (Typical)

Dimensions

- Product dimensions (WxDxH): 96 cm x 53 cm x 115 cm
- Product weight: 57 kg kg
- Carton dimensions (WxDxH): 106 cm x 62 cm x 125 cm
- Weight incl. Packaging: 65 kg kg
- Temperature range (operation): 5°C to 40°C



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