



The PE4240N features a bright and high-contrast enhanced definition plasma panel backed by Faroudja's Emmy-Award winning DCDi video processing. Your television is encased in a stylish piano black cabinet, and can be wall mounted or used with the included stand.

Enhanced definition plasma display with 3000:1 contrast

- Enhanced definition plasma display with 3000:1 contrast provides a clear progressively scanned image with rich colors and deep black levels.

Faroudja's Emmy-Award winning DCDi video processing

- Faroudja's Emmy-Award winning DCDi detects low-angle lines and smoothes jagged edges - bringing a new tier of realism to sporting events and movies.

Fine Detail Enhancement

- Fine Detail Enhancement identifies areas of fine detail in a picture, such as skin and hair, and enhances them to a dramatically more life like appearance.

Depth Enhancement

- Depth Enhancement identifies large edges that define separation of objects and enhances them to create a greater perception of depth. The result is a stunning viewing experience.

3D Y/C Digital Comb Filter

- 3D Y/C Digital Comb Filter reduces flickering and enhances color purity in complex scenes from broadcast and composite signals from your DVD player or VCR.

FilmMode Processing with 3:2 pull down

- FilmMode Processing with 3:2 pull down accurately reproduces film-originated content from video sources

Motion Adaptive Noise Reduction

- Motion Adaptive Noise Reduction greatly enhances quality of off air media and standard definition video.

Cross Color Suppression

- Cross Color Suppression removes cross color artifacts from composite video sources, delivering consistent, true color every time.

Variable aspect ratio support

- Variable aspect ratio support enables scaling of 4:3 video to fill the screen.

DVI-D with HDCP

- DVI-D with HDCP enables pure digital video connections to set top boxes, DVD players, and PCs.

Supports two selectable audio enhancements

- **BBE™ High Definition Audio**—restores clarity and presence for better speech intelligibility and musical realism.
- **SRS WOW™**—creates a bigger, enhanced audio experience by providing three dimensional sound, enhancing musical vocals, and creating the perception of deep, rich bass.

Picture-in-Picture and Split Screen Display

- Picture-in-Picture and Split Screen Display enables simultaneous viewing of two different channels or sources.

Svelte, wall-mountable design

- Svelte, wall-mountable design is only 4.3 inches (110 millimeters) thick.

Universal Remote Control

- Universal Remote Control controls additional components, including HP Media Center PCs and HP Digital Entertainment Centers.

Product features are dependent upon the input used.

HP PE4240N 42" Plasma Television

Datasheet

Key Television Specifications

Panel System	Enhanced Definition Plasma Display	Displayable Colors	Up to 16.7 Million
Video Format	Accepts RGB, NTSC, 480i, 480p, 720p, 1080i Converts all video signals to 480p enhanced definition video	Pixel Pitch	0.043 in. (H) × 0.043 in. (V) 1.08 (H) × 1.08 (V) mm
Diagonal Screen Size (inches)	42 in. (1066.8mm)	Anti-reflective Coating	Yes
Viewable Image (W x H)	36.3 in. x 20.4 in (921 mm X 518 mm)	Life¹	Up to 60,000 Hrs
Aspect Ratio	16:9 Widescreen	Contrast (typical)	3000 : 1
Native Resolution	852 (H) × 480 (V) pixels	Brightness (typical before filter)	Up to 1000 cd/m ²

Tuner Specifications

TV Tuner	Built-in NTSC TV Tuner	Cable Tuning System	Standard, HRC, IRC
Tuning options	Automatic channel scan Automatic Fine Tuning Favorite channel edit A/B hot channel buttons	Closed Caption	Yes
Channel Coverage	VHF 2 – 13 UHF 14 – 69 CATV 1 – 125	MTS Sound Processing	Stereo, mono, SAP
Antenna	75 Ohm External	V-Chip	Password protect viewing according to Age and Content Rating, TV Rating, and MPAA Rating TV System
		HDTV supported inputs	Component Input (YPbPr): 1080i/720p/480p/480i DVI: 1080i/720p/480p2

Television Control Specifications

Universal Remote Control	Programmable universal remote controls TV and additional devices, including HP Digital Entertainment Centers and HP Media Center PCs.	Front Controls	Power, Input, Menu, Setting, Adjust/Volume Up, Adjust/Volume Down, Channel Up, and Channel Down
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Additional Features

Auto Channel Program
Channel Skip/Add
Favorite Channel A & B
Aspect Modes – 4:3, 16:9, Zoom 1, Zoom 2
Sleep timer
Closed Caption
V-Chip Parental Control

Television Connections Specifications

Antenna Input (75 Ohm F connector)	1
High Definition Component Input (YPbPr)	1
Standard Definition Component Input (YPbPr)	1
Composite Video Input (AV)	2
S-Video Input	2
PC Input (RGB-VGA)	1
DVI-HDCP Interface	1 (with HDCP support)
A/V Audio Inputs	6
PC Audio Inputs	2
Audio Out - RCA Pair	1
RS-232 (for service)	1

¹ The life is determined as the time at which luminance is 50% compared to that of initial value at the typical lamp current on condition of continuous operating at 25 ± °C.

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Television Power Specifications

Input Power	120/240V	Average	380 watts
Nominal Current	3.5 A maximum	Integrated Power Supply	Yes
Frequency	50 Hz ~ 60 Hz	Power Cable Length	70 in (1.8 m); Detachable

Key Audio Specifications

Speakers	Integrated 5W x 2, rear firing	MTS / SAP	Yes – Stereo, Mono, SAP
Sound modes	SRS WOW: Creates a bigger, enhanced audio experience by providing three dimensional sound, enhancing musical vocals, and creating the perception of deep, rich bass without the need for a subwoofer BBE™ High Definition Audio: Restores clarity and presence for better speech intelligibility and musical realism.	Audio out	1 (RCA Pair)
		Audio Controls	Bass/Treble/Volume/Balance

Television Weights and Dimensions

Dimensions	Panel w/ stand (h x w x d) 27.78 in x 40.8 in x 9.68 in (708.5 mm x 1038 mm x 245.9 mm) Panel without stand (h x w x d) 25.2 in x 40.8 in x 4.3 in (640 mm x 1038 mm x 110 mm) Stand Footprint (h x d x w) 7.1 in x 28.2 in x 9.68 in (180 mm x 716 mm x 245.9mm) Packaged (h x d x w) 37.4 in x 17.9 in x 38.0 in (950 mm x 455 mm x 1220 mm)
Weight	Panel (Display head) 77.1 lbs (35 kg) Stand 6.6 lbs (3kg) Packaged 108 lbs (49 kg)
Base	Ships attached and is removable
Temperature - Operating	41°F to 95°F (5°C to 35°C)
Temperature – Non-operating	-4°F to 140°F (-20°C to 60°C)

Environmental Specifications

Humidity – Operating	20% to 80% (no condensation)
Humidity – Non-operating	5% to 80% (38.7°C maximum wet bulb temperature)
Altitude – Operating	0 to 6,562 ft. (0 to 2,000 m)
Altitude – Non-operating	0 to 9843 ft. (0 to 3,000 m)

Accessories, Warranty and Agency Approvals

Accessories Included	Quick Start Guide Instruction Manual Remote Control 75 Ohm Coaxial Cable Power Cable	Wall Mountable	Yes - with optional Wall Mount (Wall Mount sold separately)
Recommended Solution Additions	HP High Definition Tuner HP Digital Entertainment Center HP Media Center PC	Certification and Compliance	FCC Approval UL Approval
		Warranty	1 year, parts and labor



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Questions about the HP PL4245N 42" HD-Ready Plasma Television?
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