

**TX-P46Z1**  
Plasma TV

- \_\_\_\_\_ VIERA NeoPDP Full HD Plasma Television
- \_\_\_\_\_ Receives freesat (free digital satellite broadcasts)
- \_\_\_\_\_ 600Hz Sub-field Drive Intelligent Frame Creation Pro
- \_\_\_\_\_ WirelessHD™
- \_\_\_\_\_ THX® Certified Display
- \_\_\_\_\_ VIERA CAST
- \_\_\_\_\_ Smart Networking with VIERA Link and VIERA Image Viewer (AVCHD/DviX/JPEG)



New Generation Full HD Plasma TV with freesat built-in, Stylish Slim Design, WirelessHD™, Superb Moving Picture Quality and Advanced Networking Capabilities

**TV Tuner**

<b>Tuner Integrated</b>	Separate tuner box
<b>DVB Digital Tuner ****</b>	yes [DVB-T/freesat]
<b>Tuning System</b>	PLL synthesizer 100-position auto-search tuner
<b>CATV Compatibility</b>	UK
<b>Broadcast Stereo Reception</b>	NICAM (FM)
<b>Teletext Reception</b>	2000P Level 2.5, FASTEXT/LIST
<b>Receiving System ****</b>	PAL-I, DVB-T, freesat
<b>Receiving System(AV Input)</b>	PAL-525/60, SECAM, NTSC, M-NTSC



**Award**  
2009-06-11T11:59:00  
TX-P46Z1, Trusted Reviews (Online), Recommended Award, June 2009

**Display**

<b>Screen Size</b>	46" (116 cm) diagonal
<b>Screen Aspect</b>	16 : 9 Wide
<b>Panel</b>	G12 Progressive Full-HD NeoPDP (Plasma Display Panel)
<b>Viewing Angle</b>	Viewing Angle Free
<b>Response Speed</b>	0.001 msec. (Time of discharge after the drive pulse signal of the panel is sent.)
<b>Natural Vision Filter</b>	yes
<b>Progressive Scan</b>	yes
<b>Number of Pixels</b>	2,073,600 (1,920 x 1,080) pixels
<b>Applicable PC signals</b>	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz, 1920 x 1080
<b>Applicable Scanning Format</b>	

**Award**  
2009-07-24T10:05:00  
TX-P46Z1, Stuff.tv (Online), Scored 4 out of 5, July 2009

**Award**  
2009-07-28T10:07:00  
TX-P46Z1, Cnet.co.uk (Online), Rated 8.6 Excellent, July 2009

525 (480)/60i, 525 (480)/60p, 625 (576)/50i, 625 (576)/50p, 750 (720)/50p, 750 (720)/60p,  
 1125 (1080)/50i, 1125 (1080)/60i, 1125 (1080)/24p (HDMI only), 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only)



<b>Contrast Ratio (in dark surroundings)</b>	Dynamic: Infinite Black/Over 2,000,000:1; Native: 40,000:1
<b>Moving Picture Resolution</b>	1080 lines
<b>Intelligent Frame Creation Pro</b>	600 Hz Sub Field Drive
<b>24p Playback</b>	yes
<b>24p Smooth Film</b>	yes
<b>100 Hz Double Scan</b>	yes
<b>Shades of Gradation</b>	6,144 equivalent steps of gradation
<b>Deep Colour (10/12-bit)</b>	yes
<b>x.v. Colour</b>	yes
<b>THX Mode</b>	yes
<b>Digital Optimiser</b>	yes
<b>3D Colour Management</b>	yes
<b>Sub Pixel Control</b>	yes
<b>Picture Overscan</b>	yes
<b>Motion Pattern Noise Reduction</b>	yes
<b>Video Noise Reduction</b>	yes
<b>3D Comb Filter</b>	yes
<b>Picture Mode</b>	Dynamic/Normal/Cinema/Game/THX
<b>Vreal</b>	Vreal Pro 4

**Award**  
 2009-08-04T10:09:00  
 TX-P46Z1, Techradar.com (Online), Scored 4 out of 5, August 2009



**Award**  
 2009-10-01T12:04:00  
 TX-P46Z1, What Video and Hi-Def TV, 5 stars, October 2009

## Sound

<b>Speaker System</b>	Side (Detachable)
<b>Speakers</b>	Woofer (20 x 3.5 cm) x 2, Tweeter (10 x 2.3 cm) x 2
<b>Audio Output</b>	20 W [(3 W + 7W) x 2], 10% THD
<b>Sound Mode</b>	Music/Speech
<b>Surround</b>	V-Audio ProSurround
<b>Dolby Digital Out</b>	Dolby Digital Plus



SC-ZT1E-S



RP-CDHF15E-K

## Input/Output

<b>CI (Common Interface)*</b>	yes
<b>VIERA Image Viewer</b>	yes (AVCHD/DivX/JPEG playback)
<b>HDMI Input</b>	Input: 4 (1 monitor, 3 tuner); Output: 1 (tuner) [ver. 1.3 with Deep Colour & x.v.Colour]
<b>Composite Video Input</b>	AV3: RCA phono type x 1 (tuner)
<b>S-Video Input</b>	AV3: Mini DIN 4-pin (tuner)
<b>Audio Input (for Video)</b>	AV3: RCA phono type connectors (L, R) (1 set, tuner)
<b>Component Video Input</b>	RCA phono type x 3 [Y, PB, PR] (tuner)
<b>PC Input</b>	Mini D-sub 15-pin x 1 (tuner)

<b>Audio Input (for HDMI, PC, Component)</b>	RCA phono type connectors (L, R) x 2 sets (tuner rear x 1 set, front x 1 set)
<b>21-Pin Input/Output</b>	AV1: AV In/Out, RGB In, Q-Link (tuner) AV2: AV In/Out, S-Video In, RGB In, Q-Link (tuner)
<b>LAN Port</b>	yes (tuner)
<b>Monitor Out</b>	RCA phono type connectors (L, R) (1 set tuner)
<b>Audio Output</b>	Headphone jack (1 tuner)
<b>Digital Audio Output (Optical)</b>	yes (tuner)

## Features

<b>EPG</b>	yes
<b>WirelessHD™</b>	yes
<b>VIERA Cast</b>	yes
<b>Remote Controller</b>	RF
<b>VIERA Tools</b>	yes
<b>DLNA &amp; DivX</b>	yes
<b>VIERA Link</b>	yes (HDAVI Control 4)
<b>Screen Saver</b>	Wobbling
<b>Multi Window</b>	PIP/PAP/PAT
<b>Eco Mode**</b>	yes
<b>Game Mode</b>	yes
<b>Q-Link</b>	yes
<b>Aspect Controls</b>	Auto/16:9/14:9/Just4:3/Zoom1/Zoom2/Zoom3
<b>On-Screen Display Languages</b>	English
<b>Hold</b>	yes
<b>Off Timer</b>	yes
<b>Child Lock</b>	yes

## General

<b>Power Save Mode</b>	yes
<b>Power Supply</b>	AC 220 - 240 V, 50/60Hz
<b>Rated Power Consumption</b>	Display Unit: 315 W / Tuner Box: 53 W
<b>On mode Average Power Consumption***</b>	Display Unit + Tuner Box: 240 W
<b>Standby Power Consumption</b>	Display Unit: 0.3 W / Tuner Box: 0.5 W
<b>Dimensions W/O stand (W x H x D)</b>	With speakers: 1,249 x 718.7 x 48.5 mm; W/O speakers: 1,123 x 718.7 x 48.5 mm (Depth 24.7 mm: exclusive of protruding portion)
<b>Dimensions with stand (W x H x D)</b>	With speakers: 1,249 x 805 x 378.3 mm; W/O speakers: 1,123 x 805 x 378.3 mm
<b>Weight W/O stand</b>	With speakers: 25 kg; W/O speakers: 23.5 kg
<b>Weight with stand</b>	With speakers: 29.5 kg; W/O speakers: 28 kg
<b>Swivel Angle</b>	±10°
<b>Operating Temperature</b>	0°C - 35°C

## Included Accessories

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**Wireless Transmitter Dimensions (W x H x D)** 190 x 69 x 69.7 mm

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**Wireless Receiver Dimensions (W x H x D)** With bracket: 146 x 132.7 x 46 mm; W/O bracket: 100 x 120 x 25 mm

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**Tuner Box Dimensions (W x H x D)** 430 x 59 x 248.4 mm

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### NOTE

\* Common Interface Terminal to accommodate Conditional Access Module for additional Digital services i.e. Top-Up TV

\*\* Contrast Automatic Tracking System

\*\*\* Based on IEC 62087 Ed.2 measurement method.

\*\*\*\*DVB-T H.264 available in selected countries: Denmark (DNK), Spain (ESP), Estonia (EST), France (FRA), Lithuania (LTU), Norway (NOR), Slovenia (SVN), Sweden (SWE).

DVB-C available in selected countries: Finland (FIN), Sweden (SWE).

DVB-S available in selected countries: Austria (AUT), Germany (DEU), Switzerland (CHE).

The country list above is as of April 1st, 2009.

This TV set is designed to meet DVB-T, DVB-C, and DVB-S standards as of August 2008, and correct operation of features out of scope of these standards are not guaranteed.

This TV will not operate correctly with the signal that is not compliant with DVB-T, DVB-C and DVB-S standard.

DVB-C function may not work correctly in the areas with operators other than following. ComHem (Sweden), CableReady (Finland).

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