



TX-P50G20B Plasma TV

VIERA NeoPDP Full HD Plasma TV

Freeview HD & Freesat HD Built-in

600Hz Sub-field Drive Intelligent Frame Creation Pro

Infinite Black

THX® Certified Display

VIERA CAST

VIERA Image Viewer (Photo and Video)

Wi-Fi Ready



Specification

TV Tuner

Integrated Tuners***	PAL-I, DVB-T/T2/S
Teletext Reception	1000P Level 2.5, FASTEXT/LIST

Display

Resolution enhancer	yes
Screen Size	50" (127 cm) diagonal
Panel	G13 Progressive Full-HD NeoPDP (Plasma Display Panel)
Filter	High Contrast Filter
Viewing Angle	Viewing Angle Free
Response Speed	0.001 msec. (Time of discharge after the drive pulse signal of the panel is sent.)
Resolution	Full-HD 1,920 x 1,080 (16:9)
Applicable PC signals	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz, 1920 x 1080
Applicable Scanning Format	
FULL-HD	1125 (1080)/50i, 1125 (1080)/60i, 1125 (1080)/24p (HDMI only), 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only)
HD	750 (720)/50p, 750 (720)/60p
SD	525 (480)/60i, 525 (480)/60p, 625 (576)/50i, 625 (576)/50p
Contrast Ratio (in dark surroundings)	Infinite Black (5,000,000:1 Native)
Moving Picture Resolution	1080 lines
Intelligent Frame Creation	600 Hz Sub Field Drive Intelligent Frame Creation Pro
24p Smooth Film/Playback Plus/Playback	24p Smooth Film/Playback
Shades of Gradation	6,144 equivalent steps of gradation
Deep Colour (10/12-bit)	yes
x.v. Colour	yes
THX Mode	yes
3D Colour Management	yes
Picture Mode	Dynamic/Normal/THX/Cinema/Game/Photo/Pro1/Pro2 (ISFccc)

Sound

Speakers	2 x 10 watt 2 Speakers
Sound Mode	Music/Speech/User
Virtual Surround	V-Audio Surround
Dolby Digital Out/CONEQ	Dolby Digital Plus/CONEQ

Input/Output

CI (Common Interface)*	yes
VIERA Image Viewer	yes (AVCHD/SD-VIDEO/DivXHD/JPEG/MP3/AAC playback)
USB	2 (side); Flash Memory/Keyboard/WiFi/USB HDD Recording/HUB
HDMI Input/ Support Feature	4 (1 side, 3 rear)/ Audio Return Channel (Input 2)
Composite Video Input	AV3: RCA phono type x 1 (side)
Audio Input (for Video)	AV3: RCA phono type connectors (L, R) (1 set, side)
Component Video Input	RCA phono type x 3 [Y, PB, PR] (rear)
PC Input	Mini D-sub 15-pin x 1 (rear)
Audio Input (for HDMI, PC, Component)	RCA phono type connectors (L, R) (1 set, rear)
21-Pin Input/Output	AV1: AV In/Out, RGB In, Q-Link (rear) / AV2: AV In/Out, S-Video In, RGB In, Q-Link (rear)
LAN Port	yes
Analogue Audio Out	RCA phono type connectors (L, R) (1 set rear)
Digital Audio Output (Optical)	yes
Headphone Jack	1 (side)

Features

EPG	yes
VIERA CAST	yes
VIERA Tools	yes
DLNA	yes
VIERA Link	yes (HDAVI Control 5)
Multi Window	PAT
C.A.T.S. (Contrast Automatic Tracking System)	yes
Game Mode	yes
Q-Link	yes
Off Timer	yes
Child Lock	yes

General

Power Save Mode	yes
Power Supply	AC 220 - 240 V, 50/60Hz
Rated Power Consumption	335 W
On mode Average Power Consumption**	201 W
Standby Power Consumption	0.4 W
Dimensions (W x H x D) (w/o stand)	1,218 x 769 x 82 mm
Dimensions (W x H x D) (with stand)	1,218 x 808 x 335 mm
Weight (w/o stand)	26.0 kg
Weight (with stand)	29.0 kg
Swivel Angle	±10°
Wall Bracket	TY-WK4P1RW

Further Specifications

NOTE

* Common Interface Terminal to accommodate Conditional Access Module for additional Digital services i.e. Top-Up TV / ** Based on IEC 62087 Ed.2 measurement

method. / ***Notice for DVB functions: / This TV is designed to meet the standards (current as of August, 2009) of DVB-T/C/S/S2 (MPEG2 and MPEG4-AVC [H.264]) services. / The compatibility with future DVB services is not guaranteed. / DVB-T MPEG4-AVC broadcast is available in selected countries: Denmark, Spain, Estonia, France, Lithuania, Norway, Slovenia, Sweden, Poland, Hungary, Portugal. / DVB-C feature is available only in following countries: / Sweden (Com Hem, Canal Digital), Denmark (YouSee), Norway (Canal Digital), Finland (Cable Ready HD), Germany, Switzerland, Netherlands / The country list above is as of January 1st, 2010. / Check the latest information on the available services at the following website (English only): / <http://panasonic.jp/support/global/cs/tv/>

Substance Information under EU Regulation 1907/2006 (REACH):

For substance information in regards to the candidate list for authorisation under EU Regulation 1907/2006 (REACH), please visit [here](#) or contact: reach@eu.panasonic.com

Please find the instructions for safe use of this product in the product manual.

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