



TX-P50VT20B 3D Plasma TV

VIERA NeoPDP Full HD 3D Plasma TV

Freeview HD & Freesat HD Built-in

"FULL HD 3D with two pairs of 3D Eyewear Included

Infinite Black Pro

600Hz Sub-field Drive Intelligent Frame Creation Pro

THX® Certified Display

VIERA CAST

VIERA Image Viewer (Photo and Video)



Specification

TV Tuner

Integrated Tuners***

PAL-I, DVB-T/T2/S

Teletext Reception

1500P Level 2.5, FASTEXT/LIST

Display

Resolution enhancer

yes

Screen Size

50" (127 cm) diagonal

Panel

G13 Progressive Full-HD NeoPDP (Plasma Display Panel)

Full HD 3D

yes (3D Eyewear x 2 included)

Filter

High Contrast Filter Pro

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 Pro (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

Digital Cinema Colour

TBC

Shades of Gradation

6,144 equivalent steps of gradation

Deep Colour (10/12-bit)

yes

x.v. Colour

yes

THX Mode

yes

Picture Mode	Dynamic/Normal/THX/Cinema/Game/Photo/Pro1/Pro2 (ISFccc)
Vreal	Vreal Pro 5 3D

Sound

Speakers	3 x 10 watt 2.1 ch, 3 Speakers
Sound Mode	Music/Speech/User
Virtual Surround	V-Audio ProSurround
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) / 3D Input (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)
Service Port	yes

Features

Wireless LAN Adaptor****	yes
EPG	yes
VIERA CAST	yes
VIERA Tools	yes
DLNA	yes
VIERA Link	yes (HDAVI Control 5)
Multi Window	PIP/PAP/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	425 W
On mode Average Power Consumption**	252 W
Standby Power Consumption	0.4 W
Dimensions (W x H x D) (w/o stand)	1,224 x 771 x 90 mm
Dimensions (W x H x D) (with stand)	1,224 x 810 x 335 mm
Weight (w/o stand)	27.5 kg
Weight (with stand)	30.5 kg

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/> / ****Depending on the area, this accessory may not be included.

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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