

2010 VIERA® G20 Series Plasma



VIERA CAST™ WIFI WITH SKYPE® CAPABILITIES

Enjoy great Web entertainment and cutting-edge communication on your HDTV.



THX® CERTIFIED DISPLAY

Experience true theater in your own home.



INFINITE BLACK PANEL

New phosphor technology produces deep blacks and vivid images with minimal reflection.

VIERA IMAGE VIEWER™ PHOTO AND VIDEO

Enjoy your photos and HD home movies on the big screen.

- 600Hz Sub-field Drive
- 1080p Lines Moving Picture Resolution
- VIERA Link™ Connectivity with Network Camera
- ENERGY STAR 4.0
- Mercury- and Lead-Free Panel
- Long Panel Life – Up to 100,000 Hours

Panasonic VIERA

2010 VIERA® G20 Series PLASMA Specifications

2010 Plasma Specifications (America)	TC-P50G20	TC-P54G20	
VIDEO			
Screen Size Diagonal (inches)	49.9	54.1	
Aspect Ratio	16:9	16:9	
Number of Pixels	2,073,600 (1,920 x 1,080)	2,073,600 (1,920 x 1,080)	
Moving Picture Resolution	1080 lines	1080 lines	
Contrast Ratio	Infinite Black	Infinite Black	
Shades of Gradation	6,144 equivalent	6,144 equivalent	
HDTV Display Capability (1080p, 1080i, 720p)	Y	Y	
EDTV Display Capability (480p)	Y	Y	
Aspect Control	Normal, Zoom, Full, Just, H-fill for TV/AV modes 4:3, Full for PC mode	Normal, Zoom, Full, Just, H-fill for TV/AV modes 4:3, Full for PC mode	
Full HD 3D	—	—	
AR (Anti-Reflective) Filter	Y	Y	
600Hz Sub-field Drive	Y	Y	
24p Cinematic Playback	—	—	
24p Playback (2:3)	Y	Y	
Deep Color	Y	Y	
x.v.Color	Y	Y	
THX® Mode	Y	Y	
ISFccc	—	—	
Studio Ref Mode	—	—	
Pro Setting	—	—	
3D Color Management	Y	Y	
Sub Pixel Control	Y	Y	
Motion Pattern Noise Reduction	Y	Y	
AUDIO			
Speakers	Full-range x 2 (L, R)	Full-range x 2 (L, R)	
Number of Speakers	2	2	
Audio Output	20 W (10% THD)	20 W (10% THD)	
BBE® VIVA HD3D Sound	—	—	
Surround Sound	Y	Y	
JACKS			
Integrated ATSC Tuner	Y	Y	
VIERA Image Viewer™	Y (AVCHD/MPEG2/JPEG playback)	Y (AVCHD/MPEG2/JPEG playback)	
HDMI Input	3 (1 side)	3 (1 side)	
Support Feature	Audio Return Channel (Input 1)	Audio Return Channel (Input 1)	
USB	2	2	
Analog Audio Input (for HDMI/DVI)	Y	Y	
Composite Video Input	2 (1 side)	2 (1 side)	
Audio Input (for Video)	2 (1 side)	2 (1 side)	
PC Input	D-sub 15-pin x 1 (side)	D-sub 15-pin x 1 (side)	
Component Video Input (Y, Pb, Pr)	2	2	
Audio Input (for Component Video)	2	2	
LAN Port	1	1	
RS232C	—	—	
Digital Audio Output (Optical)	1	1	
CONVENIENCE			
VIERA Link™	Y	Y	
VIERA CAST™(IPTV)	Y	Y	
Skype™ Ready	Y	Y	
VIERA Tools	Y	Y	
Game Mode	Y	Y	
3D Active Shutter Eyewear	—	—	
Clean Touch Bezel	—	—	
Pixel Orbiter (Anti-Image Retention)	Y	Y	
Trilingual Menu (English/Spanish/French)	Y	Y	
Built-In Closed Caption Decoder	Y	Y	
Off-Timers	Y	Y	
GENERAL			
Power Supply	AC 120 V, 60Hz	AC 120 V, 60Hz	
Rated Power Consumption	441 W		
Standby Power Consumption	0.2 W		
On Mode Average Power Consumption			
ENERGY STAR	Y	Y	
Receiving System	ATSC/QAM/NTSC	ATSC/QAM/NTSC	
Dimensions with Stand	Height [inches (mm)]	31.9" (808 mm)	34.8" (882 mm)
	Width [inches (mm)]	48.0" (1,218 mm)	51.7" (1,313 mm)
	Depth [inches (mm)]	13.2" (335 mm)	15.3" (387 mm)
Dimensions w/o Stand	Height [inches (mm)]	30.3" (769 mm)	32.8" (832 mm)
	Width [inches (mm)]	48.0" (1,218 mm)	51.7" (1,313 mm)
	Depth [inches (mm)]	3.5" (88 mm)	3.5" (88 mm)
Weight with Stand [lbs. (kg)]	63.9 lbs. (29.0 kg)	70.6 lbs. (32.0 kg)	
Weight w/o stand [lbs. (kg)]	57.3 lbs. (26.0 kg)	65.0 lbs. (29.5 kg)	
Operating Temperature	32°F – 104°F (0°C – 40°C)	32°F – 104°F (0°C – 40°C)	
Safety Standard	UL6500/C-UL	UL6500/C-UL	
Carton Dimensions	Height [inches (mm)]	34.4" (872 mm)	36.9" (936 mm)
	Width [inches (mm)]	53.0" (1,345 mm)	57.6" (1,461 mm)
	Depth [inches (mm)]	11.2" (284 mm)	13.1" (332 mm)
Gross Weight [lbs. (kg)]	79.4 lbs. (36 kg)	88.2 lbs. (40 kg)	
Swivel Angle	±10°	—	
Optional Wall-Mounting Bracket Model Numbers	TY-WK4P1RW	TY-WK5P1RW	