



2009 **VIERA**[®] G10 Series Plasma 1080p HDTVs



- TC-P42G10 – 42" Class (41.6" Measured Diagonally)
- TC-P46G10 – 46" Class (46" Measured Diagonally)
- TC-P50G10 – 50" Class (49.9" Measured Diagonally)
- TC-P54G10 – 54" Class (54.1" Measured Diagonally)



VIERA CAST™
Brings exciting web content into your living room.
No PC required!



THX® Certified Display
Ensures movie images are played back as the movie creators' intended them.



VIERA Image Viewer™ with AVCHD Playback
Makes it easy to playback digital photos and home videos recorded on your AVCHD camcorder.

- 1080p Full-HD Resolution
- Neo PDP
 - Full-Time 1080 TV Lines Moving Picture Resolution
 - Contrast Ratio: 40,000:1 Native; Infinite Black Panel
 - Brighter Panel
- VIERA CAST™
- THX® Certified Display
- VIERA Image Viewer™ with AVCHD Playback
- VIERA Link™
- AR (Anti-Reflective) Filter
- Game Mode
- 3 HDMI Inputs
- PC Input
- 100,000 Hour Panel Life

2009 VIERA® G10 Series Plasma 1080p HDTVs Specifications

	TC-P42G10	TC-P46G10	TC-P50G10	TC-P54G10
VIDEO				
Screen Size Diagonal (inches)	41.6	46.0	49.9	54.1
Aspect Ratio	16:9	16:9	16:9	16:9
Number of Pixels	2,073,600 (1,920 x 1,080)	2,073,600 (1,920 x 1,080)	2,073,600 (1,920 x 1,080)	2,073,600 (1,920 x 1,080)
Pixel Pitch (mm)	0.480 x 0.480 mm	0.531 x 0.531 mm	0.576 x 0.576 mm	0.624 x 0.624 mm
Moving Picture Resolution	1080 lines	1080 lines	1080 lines	1080 lines
Contrast Ratio	Native: 40,000:1; Infinite Black Panel	Native: 40,000:1; Infinite Black Panel	Native: 40,000:1; Infinite Black Panel	Native: 40,000:1; Infinite Black Panel
Shades of Gradation	5,120 equivalent	5,120 equivalent	5,120 equivalent	5,120 equivalent
HDTV Display Capability (1080p, 1080i, 720p)	Y	Y	Y	Y
EDTV Display Capability (480p)	Y	Y	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	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
Panel	G12 Progressive 1080p HD NeoPDP	G12 Progressive 1080p HD NeoPDP	G12 Progressive 1080p HD NeoPDP	G12 Progressive 1080p HD NeoPDP
Screen Coating (Filter)	AR (Anti-Reflective) Filter	AR (Anti-Reflective) Filter	AR (Anti-Reflective) Filter	AR (Anti-Reflective) Filter
Progressive Scan	Y	Y	Y	Y
600 Hz Sub-field Drive	Y	Y	Y	Y
24p Playback (2 : 3)	Y	Y	Y	Y
Deep Color	Y	Y	Y	Y
x.v.Color™	Y	Y	Y	Y
THX® Mode	Y	Y	Y	Y
Motion Adaptive 3D Y/C Digital Comb Filter	Y	Y	Y	Y
3D Color Management	Y	Y	Y	Y
Sub Pixel Control	Y	Y	Y	Y
Motion Pattern Noise Reduction	Y	Y	Y	Y
AUDIO				
Speakers	Full-range x 2 (L, R)	Full-range x 2 (L, R)	Full-range x 2 (L, R)	Full-range x 2 (L, R)
Number of Speakers	2	2	2	2
Audio Output	20 W (10% THD) (6 ohms, 150 Hz - 16 kHz)	20 W (10% THD) (6 ohms, 150 Hz - 16 kHz)	20 W (10% THD) (6 ohms, 150 Hz - 16 kHz)	20 W (10% THD) (6 ohms, 150 Hz - 16 kHz)
Surround Sound	Y	Y	Y	Y
JACKS				
Integrated ATSC Tuner	Y	Y	Y	Y
VIERA Image Viewer™	Y (AVCHD/MPEG2/JPEG playback)	Y (AVCHD/MPEG2/JPEG playback)	Y (AVCHD/MPEG2/JPEG playback)	Y (AVCHD/MPEG2/JPEG playback)
HDMI Input	3 (1 side)	3 (1 side)	3 (1 side)	3 (1 side)
Analog Audio Input (for HDMI/DVI)	Y	Y	Y	Y
Composite Video Input	2 (1 side)	2 (1 side)	2 (1 side)	2 (1 side)
S-Video Input	1	1	1	1
Audio Input (for Video)	2 (1 side)	2 (1 side)	2 (1 side)	2 (1 side)
PC Input	Mini D-sub 15-pin x 1 (rear)	Mini D-sub 15-pin x 1 (rear)	Mini D-sub 15-pin x 1 (rear)	Mini D-sub 15-pin x 1 (rear)
Audio Input (for PC)	Stereo M3 (3.5 mm) Jack	Stereo M3 (3.5 mm) Jack	Stereo M3 (3.5 mm) Jack	Stereo M3 (3.5 mm) Jack
Component Video Input (Y, PB, PR)	2	2	2	2
Audio Input (for Component Video)	2	2	2	2
LAN Port	1	1	1	1
Analog Audio Output	1	1	1	1
Digital Audio Output (Optical)	1	1	1	1
CONVENIENCE				
VIERA Link™	Y (with Network Camera)	Y (with Network Camera)	Y (with Network Camera)	Y (with Network Camera)
VIERA CAST™ (IPTV)	Y	Y	Y	Y
Remote Controller	IR	IR	IR	IR
VIERA® Tools	Y	Y	Y	Y
Game Mode	Y	Y	Y	Y
Pixel Orbiter (Anti-Image Retention)	Y	Y	Y	Y
Trilingual Menu (English/Spanish/French)	Y	Y	Y	Y
V-Chip Program Lock Out	Y	Y	Y	Y
Built-In Closed Caption Decoder	Y	Y	Y	Y
Off - Timers	Y	Y	Y	Y
Video Input Label	Y	Y	Y	Y
Video Picture Memory	Y	Y	Y	Y
GENERAL				
Power Supply	AC 120 V, 60Hz	AC 120 V, 60Hz	AC 120 V, 60Hz	AC 120 V, 60Hz
Rated Power Consumption	490 W	531 W	589 W	
Standby Power Consumption	0.2 W	0.2 W	0.2 W	
On Mode Average Power Consumption				
Energy Star	Y	Y	Y	Y
Receiving System	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC
Dimensions with stand	Height [inches (mm)]	27.8" (704 mm)	30.2" (767 mm)	32.1" (814 mm)
	Width [inches (mm)]	40.6" (1,029 mm)	44.6" (1,132 mm)	48.0" (1,218 mm)
	Depth [inches (mm)]	13.2" (334 mm)	15.8" (401 mm)	15.8" (401 mm)
Dimensions W/O stand	Height [inches (mm)]	26.1" (661 mm)	28.5" (722 mm)	30.3" (769 mm)
	Width [inches (mm)]	40.6" (1,029 mm)	44.6" (1,132 mm)	48.0" (1,218 mm)
	Depth [inches (mm)]	4.2" (106 mm)	4.2" (106 mm)	4.2" (106 mm)
Weight with stand [lbs (kg)]	59.6 lbs. (27.0 kg)	68.4 lbs. (31.0 kg)	75.0 lbs. (34.0 kg)	
Weight W/O stand [lbs (kg)]	55.2 lbs. (25.0 kg)	64.0 lbs. (29.0 kg)	70.6 lbs. (32.0 kg)	
Operating Temperature	32°F - 104°F (0°C - 40°C)	32°F - 104°F (0°C - 40°C)	32°F - 104°F (0°C - 40°C)	32°F - 104°F (0°C - 40°C)
Safety Standard	UL6500/C-UL	UL6500/C-UL	UL6500/C-UL	UL6500/C-UL
Carton Dimensions	Height [inches (mm)]	30.4" (771 mm)	32.8" (833 mm)	34.6" (878 mm)
	Width [inches (mm)]	45.6" (1,156 mm)	49.5" (1,255 mm)	53.0" (1,345 mm)
	Depth [inches (mm)]	11.2" (284 mm)	11.2" (284 mm)	11.2" (284 mm)
Gross Weight [lbs (kg)]	72.8 lbs. (33.0 kg)	83.8 lbs. (38.0 kg)	90.4 lbs. (41.0 kg)	
Swivel Angle	—	—	—	—
Optional Wall-mounting Bracket Model Numbers (Angled)	TY-WK4P1RW	TY-WK4P1RW	TY-WK4P1RW	TY-WK4P1RW
Optional Wall-mounting Bracket Model Numbers (Vertical)	—	—	—	—
UPC	037988-242474	037988-242467	037988-242450	037988-242443

Notice: VIERA Link™ is a new name for EZ Sync™. Not all VIERA Link™ features are usable with earlier VIERA Link™ and EZ Sync™ compatible products. Design and specification are subject to change without notice. All pictures are simulated. Infinite Black Panel=2,000,000:1 Dynamic Contrast Ratio