

2009 VIERA® U1 Series Plasma 1080p HDTVs Specifications

	TC-P42U1	TC-P46U1	TC-P50U1	
VIDEO				
Screen Size Diagonal (inches)	41.6	46.0	49.9	
Aspect Ratio	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)	
Pixel Pitch (mm)	0.480 x 0.480 mm	0.531 x 0.531 mm	0.576 x 0.576 mm	
Moving Picture Resolution	900 lines	900 lines	900 lines	
Contrast Ratio	Native: 30,000:1	Native: 30,000:1	Native: 30,000:1	
Shades of Gradation	5,120 equivalent	5,120 equivalent	5,120 equivalent	
HDTV Display Capability (1080p, 1080i, 720p)	Y	Y	Y	
EDTV Display Capability (480p)	Y	Y	Y	
Aspect Control	Normal, Just, Zoom, Full, H-fill	Normal, Just, Zoom, Full, H-fill	Normal, Just, Zoom, Full, H-fill	
Panel	G12 Progressive 1080p HD Plasma Display Panel	G12 Progressive 1080p HD Plasma Display Panel	G12 Progressive 1080p HD Plasma Display Panel	
Screen Coating (Filter)	—	—	—	
Progressive Scan	Y	Y	Y	
600 Hz Sub-field Drive	Y	Y	Y	
24p Cinematic Playback	—	—	—	
24p Playback (2 : 3)	Y	Y	Y	
Deep Color	Y	Y	Y	
Motion Adaptive 3D Y/C Digital Comb Filter	Y	Y	Y	
3D Color Management	Y	Y	Y	
Sub Pixel Control	Y	Y	Y	
Motion Pattern Noise Reduction	Y	Y	Y	
AUDIO				
Speakers	Full-range x 2 (L, R)	Full-range x 2 (L, R)	Full-range x 2 (L, R)	
Number of Speakers	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)	
Surround Sound	Y	Y	Y	
JACKS				
Integrated ATSC Tuner	Y	Y	Y	
VIERA Image Viewer™	Y (JPEG playback)	Y (JPEG playback)	Y (JPEG playback)	
HDMI Input	3 (1 side)	3 (1 side)	3 (1 side)	
Analog Audio Input (for HDMI/DVI)	Y	Y	Y	
Composite Video Input	2 (1 side)	2 (1 side)	2 (1 side)	
S-Video Input	1	1	1	
Audio Input (for Video)	2 (1 side)	2 (1 side)	2 (1 side)	
PC Input	—	—	—	
Audio Input (for PC)	—	—	—	
Component Video Input (Y, PB, PR)	2	2	2	
Audio Input (for Component Video)	2	2	2	
Digital Audio Output (Optical)	1	1	1	
CONVENIENCE				
VIERA Link™	Y	Y	Y	
VIERA CAST™ (IPTV)	—	—	—	
Remote Controller	IR	IR	IR	
VIERA® Tools	Y	Y	Y	
Game Mode	—	—	—	
Pixel Orbiter (Anti-Image Retention)	Y	Y	Y	
Trilingual Menu (English/Spanish/French)	Y	Y	Y	
V-Chip Program Lock Out	Y	Y	Y	
Built-In Closed Caption Decoder	Y	Y	Y	
Off - Timers	Y	Y	Y	
Video Input Label	Y	Y	Y	
Video Picture Memory	Y	Y	Y	
GENERAL				
Power Supply	AC 120 V, 60Hz	AC 120 V, 60Hz	AC 120 V, 60Hz	
Rated Power Consumption	318 W		384 W	
Standby Power Consumption				
On Mode Average Power Consumption				
Energy Star	Y	Y	Y	
Receiving System	ATSC/QAM/NTSC	ATSC/QAM/NTSC	ATSC/QAM/NTSC	
Dimensions with stand	Height [inches (mm)]	28.0" (709 mm)	30.6" (775 mm)	32.4" (822 mm)
	Width [inches (mm)]	40.6" (1,029 mm)	44.6" (1,132 mm)	48.0" (1,218 mm)
	Depth [inches (mm)]	12.9" (327 mm)	15.3" (387 mm)	15.3" (387 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)	
Safety Standard	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)	
Optional Wall-mounting Bracket Model Numbers (Angled)	TY-WK4P1RW	TY-WK4P1RW	TY-WK4P1RW	
UPC	037988-242436	037988-242429	037988-242412	

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.