2009 **VIERA**®
Z1 Series Plasma 1080p HDTVs

Z SERIES

TC-P54Z1 – 54" Class (54.1" Measured Diagonally)

1" Ultra Thin Design
Thin is in.

Wireless HD™ Connectivity
Experience the freedom of wireless connectivity.

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

- 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
- Wireless HD™ Connectivity
- Ultra Thin 1" Design
- VIERA CAST™
- THX® Certified Display
- 600Hz Sub-field Drive
- VIERA Image Viewer™ with AVCHD Playback
- VIERA Link™
- 24p Cinematic Playback
- 4 HDMI Inputs
- RS-232C
- PC Input
- 100,000 Hour Panel Life

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2009 VIERA® Z1 Series Plasma 1080p HDTVs Specifications

	TC-P54Z1
VIDEO	
Screen Size Diagonal (inches)	54.1
Aspect Ratio	16:9
Number of Pixels	2,073,600 (1,920 x 1,080)
Pixel Pitch (mm)	0.624 x 0.624 mm
Moving Picture Resolution	1080 lines
Contrast Ratio	Native: 40,000:1; Infinite Black Panel
Shades of Gradation	5,120 equivalent
HDTV Display Capability (1080p, 1080i, 720p)	Y
EDTV Display Capability (480p)	Y
Aspect Control	Normal, Zoom, Full, Just, H-fill for TV/AV modes 4:3, Full for PC mode
Panel	G12 Progressive 1080p HD NeoPDP
Screen Coating (Filter)	AR (Anti-Reflective) Filter
Progressive Scan	Y
600Hz Sub-field Drive	Y
24p Cinematic Playback	Y
24p Playback (2:3)	Y
Digital Cinema Color	—
Deep Color	Y
x.v.Color™	Y
THX® Mode	Y
Motion Adaptive 3D Y/C Digital Comb Filter	Y
3D Color Management	Y
Sub Pixel Control	Y
Motion Pattern Noise Reduction	Y
AUDIO	
Speakers	Detachable Speaker System: Full Range x2 (L,R)
Number of Speakers	4
Audio Output	20 W [(3 W + 7W) x 2] (10% THD) (Woofer: 6 ohms, 100Hz - 16kHz, Speaker: 8 ohms, 200Hz - 17kHz)
BBE® ViVA HD3D Sound	Y
Surround Sound	Y
JACKS	
Integrated ATSC Tuner	Separate tuner box
VIERA Image Viewer™	Y (AVCHD/MPEG2/JPEG playback)
HDMI Input	4 (3 tuner, 1 monitor); 1 Output (tuner)
Analog Audio Input (for HDMI/DVI)	Y (tuner)
Composite Video Input	2 (tuner)
S-Video Input	1 (tuner)
Audio Input (for Video)	2 (tuner)
PC Input	Mini D-sub 15-pin x 1 (tuner)
Audio Input (for PC)	Stereo M3 (3.5 mm) Jack (tuner)
Component Video Input (Y, PB, PR)	2 (tuner)
Audio Input (for Component Video)	2 (tuner)
LAN Port	1 (tuner)
RS232C	1 (tuner)
Analog Audio Output	—
Digital Audio Output (Optical)	1 (tuner)
CONVENIENCE	
VIERA Link™	Y (with Network Camera)
WirelessHD™	Y
VIERA CAST™ (IPTV)	Y
Remote Controller	RF
VIERA® Tools	Y
Game Mode	Y
Pixel Orbiter (Anti-Image Retention)	Y
Trilingual Menu (English/Spanish/French)	Y
V-Chip Program Lock Out	Y
Built-In Closed Caption Decoder	Y
Off - Timers	Y
Video Input Label	Y
Video Picture Memory	Y
GENERAL	
Power Supply	AC 120 V, 60Hz
Rated Power Consumption	
Standby Power Consumption	
On Mode Average Power Consumption	
Energy Star	Y
Receiving System	ATSC/QAM/NTSC
Dimensions with stand Height [inches (mm)] Width [inches (mm)] Depth [inches (mm)]	35.2" (892.7 mm) With speakers: 56.3" (1,428 mm); W/O speakers: 51.3" (1,302 mm) 14.9" (378.3 mm)
Dimensions W/O stand Height [inches (mm)] Width [inches (mm)] Depth [inches (mm)]	32.3" (819.2 mm) With speakers: 56.3" (1,428 mm); W/O speakers: 51.3" (1,302 mm) With speakers: 1.0" (25.4 mm); W/O speakers: 1.0" (24.7 mm) [exclusive of protruding portion]
Weight with stand [lbs (kg)]	With speakers: 83.8 lbs. (38.0 kg); W/O speakers: 80.5 lbs. (36.5 kg)
Weight W/O stand [lbs (kg)]	With speakers: 70.6 lbs. (32.0 kg); W/O speakers: 67.3 lbs. (30.5 kg)
Operating Temperature	32°F - 104°F (0°C - 40°C)
Safety Standard	UL6500/C-UL
Carton Dimensions Height [inches (mm)] Width [inches (mm)] Depth [inches (mm)]	
Gross Weight [lbs (kg)]	
Swivel Angle	
Optional Wall-mounting Bracket Model Numbers (Angled)	—
Optional Wall-mounting Bracket Model Numbers (Vertical)	TY-WK5P1SW
UPC	037988-242528
INCLUDED ACCESSORIES	
Wireless Transmitter Dimensions Height [inches (mm)] Width [inches (mm)] Depth [inches (mm)]	2.8" (69 mm) Tentative 7.5" (190 mm) Tentative 2.8" (69.7 mm) Tentative
Wireless Receiver Dimensions Height [inches (mm)] Width [inches (mm)] Depth [inches (mm)]	With bracket: 5.3" (132.7 mm); W/O bracket: 4.8" (120 mm) Tentative With bracket: 5.8" (146 mm); W/O bracket: 4.0" (100 mm) Tentative With bracket: 1.9" (46 mm); W/O bracket: 1.0" (25 mm) Tentative
Tuner Box Dimensions Height [inches (mm)] Width [inches (mm)] Depth [inches (mm)]	2.4" (59 mm) Tentative 17.0" (430 mm) Tentative 9.8" (248.4 mm) Tentative

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