

2012 VIERA®

ST50 Series Plasma

SMARTVIERA



Screen image simulated.

Available Models:

TC-P65ST50
TC-P60ST50
TC-P55ST50
TC-P50ST50

FULL HD 3D

Immerse yourself in stunning realism that jumps off the screen.

INFINITE BLACK PRO PANEL

Experience a new world of richer blacks and sharper contrasts.

VIERA CONNECT™¹ WI-FI BUILT-IN WITH WEB BROWSER

Stay connected wirelessly to your favorite web content, sports, movies and so much more.

3D REAL SOUND

Bring 3D sound to your 3D TV experience just like in a theater.

- Fast Switching Phosphors
- 2500 FFD (Focused Field Drive)
- 1080p Full HD Resolution
- Louver Filter
- 2D to 3D Conversion
- Social Networking TV
- Skype™ Video Calling²
- 3 HDMI
- 2 USB
- VIERA Remote App Support
- DLNA
- Media Player (movie and photo-capable)
- Game Mode
- VIERA Link
- Mercury and Lead-free Panel
- Long Panel Life (up to 100,000 hours)

STEP-UP FEATURES



¹Broadband Internet service required.
²Optional communication camera required.

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Official Worldwide
Olympic Partner



2012 VIERA® ST50 Series Plasma

	TC-P65ST50	TC-P60ST50	TC-P55ST50	TC-P50ST50
DISPLAY				
Screen Size Diagonal (inches)	64.7	60.1	55.1	49.9
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)
Panel	G15 Progressive Full-HD NeoPlasma	G15 Progressive Full-HD NeoPlasma	G15 Progressive Full-HD NeoPlasma	G15 Progressive Full-HD NeoPlasma
HDTV Display Capability (1080p, 1080i, 720p)	Y	Y	Y	Y
Aspect Control	4:3, Just, Zoom, Full, H-fill	4:3, Just, Zoom, Full, H-fill	4:3, Just, Zoom, Full, H-fill	4:3, Just, Zoom, Full, H-fill
PICTURE				
Shades of Gradation	12,288 equivalent	12,288 equivalent	12,288 equivalent	12,288 equivalent
Fast Switching Phosphor	Y	Y	Y	Y
Filter	Infinite Black Pro	Infinite Black Pro	Infinite Black Pro	Infinite Black Pro
Panel Drive	2,500 Focused Field Drive	2,500 Focused Field Drive	2,500 Focused Field Drive	2,500 Focused Field Drive
24p Playback (3:2) / 24p Smooth Film	Y / Y	Y / Y	Y / Y	Y / Y
24p Cinematic Playback	48 Hz	48 Hz	48 Hz	48 Hz
THX Mode	—	—	—	—
ISFccc	—	—	—	—
Pro Setting	Y	Y	Y	Y
Smart VIERA Engine Pro (Dual core processor)	—	—	—	—
Pure Image Creation	—	—	—	—
Vivid Color Creation	Y	Y	Y	Y
Facial Retouch	—	—	—	—
Web Contents Smoother	Y	Y	Y	Y
1080p Pure Direct	—	—	—	—
FULL HD 3D				
3D Panel	Y (Active)	Y (Active)	Y (Active)	Y (Active)
3D 24p Cinema Smoother	Y	Y	Y	Y
2D-3D Conversion	Y	Y	Y	Y
AUDIO				
3D Real Sound	Y	Y	Y	Y
Number of Speakers	Front speaker (8 train speakers) x 2, Woofer (ø100 mm) x 1	Front speaker (8 train speakers) x 2, Woofer (ø100 mm) x 1	Front speaker (8 train speakers) x 2, Woofer (ø80 mm) x 1	Front speaker (8 train speakers) x 2, Woofer (ø80 mm) x 1
Audio Output	18 W (4 + 4 + 10)	18 W (4 + 4 + 10)	18 W (4 + 4 + 10)	18 W (4 + 4 + 10)
Surround Sound	AV Surround	AV Surround	AV Surround	AV Surround
JACKS				
Integrated ATSC Tuner	Y	Y	Y	Y
HDMI Input	3 (3 side)	3 (3 side)	3 (3 side)	3 (3 side)
Support Feature	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)
SD Card	Y (SDXC)	Y (SDXC)	Y (SDXC)	Y (SDXC)
USB 2.0	2	2	2	2
Analog Audio Input (for HDMI / DVI)	Y	Y	Y	Y
Composite Video Input shared with Component	RCA x 1 (lower)*	RCA x 1 (lower)*	RCA x 1 (lower)*	RCA x 1 (lower)*
Audio Input (for Composite Video)	RCA x 1 (lower)*	RCA x 1 (lower)*	RCA x 1 (lower)*	RCA x 1 (lower)*
PC Input	—	—	—	—
Component Video Input (Y, Pb, Pr) shared with Composite	RCA x 1 (lower)*	RCA x 1 (lower)*	RCA x 1 (lower)*	RCA x 1 (lower)*
Audio Input (for Component Video)	RCA x 1 (lower)*	RCA x 1 (lower)*	RCA x 1 (lower)*	RCA x 1 (lower)*
Ethernet	1 (lower)	1 (lower)	1 (lower)	1 (lower)
Digital Audio Output (Optical)	1 (lower)	1 (lower)	1 (lower)	1 (lower)
FEATURES				
VIERA Connect™ (IPTV)	Y	Y	Y	Y
Online Movies	—	—	—	—
Web Browser	Y	Y	Y	Y
Skype™ While Watching TV	Y	Y	Y	Y
Multitasking	—	—	—	—
Social Networking TV (Facebook / Twitter)	Y	Y	Y	Y
VIERA Remote App Support	Y	Y	Y	Y
VIERA Touch Pad Controller	—	—	—	—
Wireless LAN Adaptor	Y (built-in)	Y (built-in)	Y (built-in)	Y (built-in)
DLNA	Y	Y	Y	Y
Media Player	Y (SD Card / USB)	Y (SD Card / USB)	Y (SD Card / USB)	Y (SD Card / USB)
Support Format	AVCHD 3D / Progressive, SD-VIDEO / MotionJPEG (Lumix) / MKV / MP4 / MOV / M4V / FLV / 3GPP / VRO / VOB / TS / PS, MP3 / AAC / FLAC, JPEG / MPO	AVCHD 3D / Progressive, SD-VIDEO / MotionJPEG (Lumix) / MKV / MP4 / MOV / M4V / FLV / 3GPP / VRO / VOB / TS / PS, MP3 / AAC / FLAC, JPEG / MPO	AVCHD 3D / Progressive, SD-VIDEO / MotionJPEG (Lumix) / MKV / MP4 / MOV / M4V / FLV / 3GPP / VRO / VOB / TS / PS, MP3 / AAC / FLAC, JPEG / MPO	AVCHD 3D / Progressive, SD-VIDEO / MotionJPEG (Lumix) / MKV / MP4 / MOV / M4V / FLV / 3GPP / VRO / VOB / TS / PS, MP3 / AAC / FLAC, JPEG / MPO
VIERA Link	Y	Y	Y	Y
VIERA Tools	Y	Y	Y	Y
Eco Mode	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
Built-In Closed Caption Decoder	Y	Y	Y	Y
Off-Timers	Y	Y	Y	Y
E-Help	Y	Y	Y	Y
GENERAL				
Power Supply	AC 120 V, 60Hz	AC 120 V, 60Hz	AC 120 V, 60Hz	AC 120 V, 60Hz
On Mode Average Power Consumption	—	—	—	—
Receiving System	ATSC / QAM / NTSC	ATSC / QAM / NTSC	ATSC / QAM / NTSC	ATSC / QAM / NTSC
Dimensions with Stand	Height (inches (mm)) 37.2" (943 mm) Width (inches (mm)) 59.4" (1,508 mm) Depth (inches (mm)) 15.8" (400 mm)	Height (inches (mm)) 34.9" (885 mm) Width (inches (mm)) 55.4" (1,405 mm) Depth (inches (mm)) 15.3" (387 mm)	Height (inches (mm)) 32.5" (823 mm) Width (inches (mm)) 51.0" (1,295 mm) Depth (inches (mm)) 14.1" (357 mm)	Height (inches (mm)) 29.8" (757 mm) Width (inches (mm)) 46.5" (1,180 mm) Depth (inches (mm)) 13.2" (335 mm)
Dimensions without Stand	Height (inches (mm)) 35.2" (894 mm) Width (inches (mm)) 59.4" (1,508 mm) Depth (inches (mm)) 2.1" (52 mm)	Height (inches (mm)) 33.0" (836 mm) Width (inches (mm)) 55.4" (1,405 mm) Depth (inches (mm)) 2.1" (52 mm)	Height (inches (mm)) 30.5" (774 mm) Width (inches (mm)) 51.0" (1,295 mm) Depth (inches (mm)) Max.: 2.0" (50 mm); General: 1.8" (44 mm)	Height (inches (mm)) 28.0" (709 mm) Width (inches (mm)) 46.5" (1,180 mm) Depth (inches (mm)) Max.: 2.0" (50 mm); General: 1.8" (44 mm)
Weight with Stand (lbs (kg))	95.9 lbs (43.5 kg)	83.8 lbs (38.0 kg)	71.7 lbs (32.5 kg)	59.6 lbs (27.0 kg)
Weight without Stand (lbs (kg))	83.8 lbs (38.0 kg)	72.8 lbs (33.0 kg)	61.8 lbs (28.0 kg)	50.8 lbs (23.0 kg)
Carton Dimensions	Height (inches (mm)) 40.7" (1,032 mm) Width (inches (mm)) 67.5" (1,713 mm) Depth (inches (mm)) 14.1" (357 mm)	Height (inches (mm)) 37.9" (961 mm) Width (inches (mm)) 63.6" (1,614 mm) Depth (inches (mm)) 11.2" (284 mm)	Height (inches (mm)) 34.7" (880 mm) Width (inches (mm)) 59.7" (1,516 mm) Depth (inches (mm)) 11.2" (284 mm)	Height (inches (mm)) 32.3" (820 mm) Width (inches (mm)) 54.9" (1,394 mm) Depth (inches (mm)) 8.8" (222 mm)
Gross Weight (lbs (kg))	119.1 lbs (54 kg)	103.7 lbs (47 kg)	90.4 lbs (41 kg)	75.0 lbs (34 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	US: UL60065/FCC Part15, CANADA: CSA C22.2/IC BETS-7	US: UL60065/FCC Part15, CANADA: CSA C22.2/IC BETS-7	US: UL60065/FCC Part15, CANADA: CSA C22.2/IC BETS-7	US: UL60065/FCC Part15, CANADA: CSA C22.2/IC BETS-7
Swivel Angle	—	—	—	±10°
VESA Compatible	—	—	—	—
Optional Wall-mounting Bracket Model Numbers	TY-WK6P1RW	TY-WK5P1RW	TY-WK5P1RW	TY-WK4P1RW
Glass & Metal Design	Y (Crystal Frame)	Y (Crystal Frame)	Y (Crystal Frame)	Y (Crystal Frame)

*with Special Adapter Cable (dedicated)

03/12 Specifications subject to change without notice.

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