

SONY

KDL-55W650D

55" class (54.6" diag) Built-in Wi-Fi® with Full HD TV

Expand your world of entertainment. Explore movies, TV and apps³ in stunning clarity that goes beyond Full HD. With X-Reality PRO™, every picture is more refined from top to bottom, whether you're watching, streaming or playing.



Bullets

- Stunning Full HD with the clarity and sharpness of X-Reality PRO™
- Stream YouTube™ and more with built-in Wi-Fi®³
- Living-room friendly, slim design
- Keep wires out of sight with discreet cable management
- Precise motion clarity with Motionflow™ XR
- Enjoy pure, natural audio with smooth reproduction

Features

X-Reality PRO™: a cleaner, more refined picture

Enjoy outstanding clarity, sharpness and picture quality with everything you watch. Our combination of noise reduction technologies sharpen every scene, so the picture gleams with clear detail.

Enjoy stunning Full HD 1080p

Experience the detail of Full HD 1080p across all your entertainment. From Blu-ray Discs™ to your favorite TV shows, you can see it all in perfect clarity on the big screen with this Sony TV.

Great entertainment and apps wirelessly with built-in Wi-Fi®

Link up easily to your home network. With built-in Wi-Fi®, you're free to go online and browse movies, enjoy video channels like YouTube™ and access services like Netflix and Hulu³. Best of all, you can stream entertainment from your wireless home network and the Internet and download a variety of apps without the clutter of cables.

Enjoy digital content from any USB

Enjoy your favorite digital content from any USB stick. Play music, video clips and view photo collections all through your TV with super multi-format USB play. Supporting a wide range of codecs, you can experience ultimate format versatility — simply plug in and you're ready to go.

Incredibly slim

The screen has a narrow frame, accented with minimal bezels, so you can focus on your entertainment with near edge-to-edge pictures.

Cable management

Keep wires out of sight. All of your cables can be neatly arranged across the back of the TV and channeled into the stand, so everything looks tidy.

Motionflow™ keeps the action smooth

TV that keeps up with real life. Sony's refresh rate technology (Motionflow™ XR) allows fast moving action sequences in sports and movies to be seen with precise motion clarity.

Clear Phase™ for smooth, balanced frequencies

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Enjoy pure, natural audio with smooth, even reproduction of all frequencies. This TV uses a powerful computer model to analyze and compensate for inaccuracies in speaker response by "sampling" the speaker frequency with higher precision.

Your smartphone to the big screen

Screen mirroring lets you enjoy content and apps from your smartphone on your Sony TV². Supersize all your memories and enjoy them on the big screen with family and friends.

Make the moment with Photo Sharing Plus

Let everyone share those special photo memories on the big screen. Up to ten people in the room can send photos and short video clips wirelessly from their smartphone straight to the TV to enjoy with a choice of your own optional background music¹. Your TV even creates its own dedicated Wi-Fi® network — ideal for guests.

Specifications

Audio		Scene Select	Photo, Music, Cinema, Game, Graphics, Sports, Auto	Power Consumption (Standby Mode) for Energy Star	0.25W
Bass/Treble/Balance	Balance	Show/Hide Channels	Yes	Power Saving Modes	Yes
Speaker Configuration	2ch, Full Range x 2	Sleep Timer	Yes	General Features	
Speaker Position	Down Firing	USB drive format support	Yes (Supported File System: FAT16/ FAT32/ NTFS)	Closed Captions (CC)	Analog Digital
Speaker Type	Open Baffle	USB playback codecs	MPEG1/ MPEG2PS/ MPEG2TS/ AVCHD/ MP4Part10/ MP4Part2/ AVI(XVID)/ AVI(MotionJpeg)/ WMV9/ MKV/ WEBM/ WAV/ MP3/ WMA/ JPEG	Demo Mode	Yes
Audio Features				Hotel Mode Menu	Yes
Alternate Audio (Digital)	Yes	Design Features		AC Power Input	1 (Bottom)
ARC Output Format	Dolby Digital, Dolby Digital Plus, DTS, PCM	Cable Management	Yes	Analog Audio Input(s) (Total)	1 (Rear)
Audio Out	Fixed / Variable	Frame color	Black	Audio / Headphone Output(s)	1 (Side / Hybrid w/ HP)
Auto Mute (on no signal)	Yes	Stand Design	Plastic with metal	Component Video (Y/ Pb/Pr) Input(s)	1 (Rear w/Composite)
Clear Phase	Yes	Display Features		Composite Video Input(s)	1 (Rear w/Component)
Digital audio out (Optical) format	Dolby Digital, DTS, PCM	Backlight dimming type	Frame Dimming	Digital Audio Output(s)	1 (Rear)
Dolby audio format support	Dolby Digital, Dolby Digital Plus, Dolby pulse	Backlight Type	Direct LED	Ethernet Connection(s)	1 (Rear)
DTS audio format support	DTS 2.0 + Digital Out	Display type	LCD	HDCP	HDCP1.4
HDMI input Audio format	Two channel linear PCM: 32, 44.1 and 48 kHz, 16, 20 and 24 bits, Dolby Digital, Dolby Digital Plus, DTS	Display		HDMI inputs total	2 (1 Rear/1 Side)
		Aspect Ratio	16:09	HDMI PC Input Format	640 x 480 (31.5kHz,60Hz)
Headphone/Speaker Link	Yes	Display Resolution	Full HD		800 x 600 (37.9kHz,60Hz)
S-Master	S-Master Digital Amplifier	Display resolution (H x V, pixels)	1920 x 1080		1024 x 768 (48.4kHz,60Hz)
Sound Modes	Standart, Music, Cinema, Game, Sports	Screen Size (cm, measured diagonally)	138.8 cm		1280 x 768 (47.4kHz,60Hz)
Convenience Features		Screen Size (inch, measured diagonally)	55" (54.64)		1280 x 1024 (64.0kHz,60Hz)
Auto Shut-off	Yes	Viewing Angle (Right/ Left)	178 (89/89) degree	1920 x 1080 (67.5kHz,60Hz)	
Channel Block (with password)	Analog & Digital	Viewing Angle (Up/ Down)	178 (89/89) degree	HDMI Signal	1080p (30,60Hz), 1080/24p, 1080i (60Hz), 720p (30,60Hz), 720/24p, 480p, 480i
HDMI-CEC	Yes	Energy Saving & Efficiency		Headphone Output(s)	1 (Side / Hybrid w/ Audio Out)
Multiple Language Display	English, Spanish, French	Dynamic Backlight Control	Yes	RF Connection Input(s)	1 (Rear)
On/Off Timer	Yes	Power Consumption (On Mode) for Energy Star	82.9W	Subwoofer Out	1 (Side / Hybrid w/HP and Audio Out)
On-Screen Clock	Yes	Network Features		USB Port(s)	1 (Rear) / 1 (Side)
Parental Control	Yes				
Photo Frame Mode	Yes				

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Codec for Home Network	MPEG1/ MPEG2TS/ AVCHD/ MP4/ AVI/ WMV/ LPCM/ MP3/ WMA/ JPEG	Advanced Contrast Enhancer (ACE)	Yes
Home Network Feature	Home Network Client / Home Network Renderer	Auto Wide	Yes
Internet Browser	Opera (OTA) (Except US and some countries)	Blinking Type	Frame Blinking
Opera Apps (System)	Yes	LED Motion Mode	Yes
Photo Sharing Plus / Photo Share	Yes	Live Color™ Technology	Yes
Screen mirroring(Miracast™)	Yes	Motionflow™ XR Technology	Motionflow XR
Wi-Fi Certified	Yes	Panel Refresh Rate (Native Hertz)	60Hz
Wi-Fi Direct	Yes	Picture Modes	Vivid, Standart, Custom, Photo-vivid, Photo-Standart, Photo-Custom, Cinema, Game, Graphics, Sports
Wi-Fi Frequency	2.4GHz only	Video Processing	X-Reality PRO
Wi-Fi Standard	b/g/n	Wide Mode	Wide / Normal / Full / Zoombr Normal / Full1 / Full2 for PC
Wireless LAN	Integrated	Video Signal (analog)	1080p (60 Hz), 1080i (60 Hz), 720p (60 Hz), 480p, 480i
Power		CineMotion/Film Mode/Cinema Drive	Yes
Annual Power Consumption	148kWh/Year	Weights and Measurements	
Power Consumption (in Operation)	144W	Dimensions (Approx.)	TV only: 48 3/4 x28 3/8 x3 3/4 in (1239 x 722 x 94 mm)
Power Consumption (in Standby)	0.50 W		TV with stand: 48 3/4 x 29 3/4 x 11 in (1239 x 775 x 278 mm)
Power Requirements (frequency)	60 Hz		Stand Width: 24 5/8 in (625 mm)
Power Requirements (voltage)	AC 120 V	AC Cable Length: 1500 mm	
Regulation and Standards Compliance		Packaging (Approx.)	Carton dimensions: 52 5/8 x 32 3/4 x 7 3/4 in (1335 x 829 x 196 mm)
VESA® Hole Pitch	15 3/4 x 7 7/8 inch (400 x 200 mm)		Carton weight: 52.9 lbs (24 kg)
VESA® Hole Spacing Compatible	Yes	Weight (Approx.)	TV only: 37 lbs (16.8 kg) TV with stand: 40 lbs. (18.1 kg)
TV System		Accessories	
Channel Coverage (Analog)	VHF: 2-13 / UHF: 14-69 / CATV: 1-135	Supplied Accessories	Remote Control (RMT-TX102U)
Color System	NTSC		Batteries (R03)
Number of Tuners (Terrestrial/Cable)	1 (Digital / Analog)		AC Power Cord Spec (Inlet C7, US plug type, 2pin, straight shape)
On-board Storage (GB)	4G		Operating Instructions
OS	Linux		Quick Setup Guide
Tuner Channel Coverage (Digital Cable)	CATV: 1-135		Table Top Stand
Tuner Channel Coverage (Digital Terrestrial)	VHF: 2-13 / UHF: 14-69		
TV System (Analog)	M		
TV System (Digital Cable)	Clear QAM		
TV System (Digital Terrestrial)	ATSC		
Video Features			
24p True Cinema	Yes		
4:3 Default	Yes		

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1. Photos can be shared at their original size, with your Android (Android 2.3 and above) or iOS (iOS5 and above) smartphones. There's no internet connection and no apps needed.
2. The smartphone must be compatible with Miracast™ technology. Connectivity with all Miracast™ compatible devices is not guaranteed.
3. Broadband speed of at least 2.5 Mbps recommended for SD services, 10 Mbps for HD streaming. Wireless connectivity requires 802.11 home network (802.11n recommended). Network services, content, and the operating system and software of this Product may be subject to individual terms and conditions and changed, interrupted or discontinued at any time and may require fees, registration and credit card information.

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