

SONY

KDL-48W650D

48" class (47.5" 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 240
- 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 240) 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		Photo Music Cinema Game Graphics Sports Auto	Power Consumption (Standby Mode) for Energy Star 0.50W Power Saving Modes Yes		
Bass/Treble/Balance	Balance				
Speaker Configuration	2ch, Full Range (40 x 80 mm) x 2				
Speaker Position	Down Firing				
Speaker Type	Open Baffle				
Audio Features				General Features	
Alternate Audio (Digital)	Yes			Closed Captions (CC)	Analog Digital
Audio Out	Fixed / Variable			Demo Mode	Yes
Auto Mute (on no signal)	Yes			Hotel Mode Menu	Yes
Clear Phase	Yes			Inputs and Outputs	
Digital Out Format	Dolby Digital, DTS, PCM	AC Power Input	AC Adapter (Bottom)		
Dolby®	Dolby Digital, Dolby Digital Plus, Dolby pulse	Analog Audio Input(s) (Total)	1 (Bottom)		
Headphone/Speaker Link	Yes	Audio Out	1 (Side / Hybrid w/HP and Subwoofer Out)		
S-Master	S-Master Digital Amplifier	Component Video (Y/Pb/Pr) Input(s)	1 (Bottom Mini Video Conversion Hybrid w/ Composite)		
Sound Mode	Standard	Composite Video Input(s)	1 (Bottom Mini Video Conversion Hybrid w/ Component)		
	Music	Digital Audio Output(s)	1 (Rear)		
	Cinema	Ethernet Connection(s)	1 (Bottom)		
	Game	HDCP	HDCP1.4		
Sports		HDMI PC Input Format	640 x 480 (31.5kHz, 60Hz) 800 x 600 (37.9kHz, 60Hz) 1024 x 768 (48.4kHz, 60Hz) 1280 x 768 (47.4kHz, 60Hz) 1280 x 768 (47.8kHz, 60Hz) 1360 x 768 (47.7kHz, 60Hz) 1280 x 1024 (64.0kHz, 60Hz) 1920 x 1080 (67.5kHz, 60Hz)		
Convenience Features			HDMI Signal	1080p (30,60Hz), 1080i (60Hz), 720p (30,60Hz), 720i (60Hz), 480p, 480i	
Auto Shut-off	Yes			HDMI™ Connection(s) (Total)	2 (1 Rear/1 Side)
BRAVIA® Sync™	Yes (Including HDMI-CEC)				Headphone Output(s)
Channel Block (with password)	Analog & Digital	RF Connection Input(s)			
Multiple Language Display	English Spanish French		Subwoofer Out		
On/Off Timer	Yes				
On-Screen Clock	Yes				
Parental Control	Yes				
Photo Frame Mode	Yes				
Design Features		Display			
Stand Design	Black U Slate	Aspect Ratio	16:9		
Display Features		Display Resolution	Full HD		
Backlight Type	Direct LED	Number of pixels(H x V)	1920 x 1080		
Dimming Type	Frame Dimming	Screen Size (cm)	120.9 cm		
Display Device	LCD	Screen Size (measured diagonally)	48" (47.6")		
Energy Saving & Efficiency		Viewing Angle (Right/Left)	178 (89/89) degree		
Backlight Off Mode	Yes	Viewing Angle (Up/Down)	178 (89/89) degree		
Dynamic Backlight Control	Yes	Energy Saving & Efficiency			
Power Consumption (On Mode) for Energy Star	57.00W	Backlight Off Mode	Yes		

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USB 2.0	2 (Side)
Network Features	
Home Network	MPEG1 / MPEG2TS / AVCHD / MP4 / AVI / WMV / LPCM / MP3 / WMA / JPEG
Internet Browser	Yes (Opera) (OTA) (Except US and some countries)
Opera Apps (System)	Yes
Photo Sharing Plus / Photo Share	Yes
Screen mirroring(Miracast)	Yes
Wi-Fi Certified	Yes
Wi-Fi Direct	Yes
Wi-Fi Frequency	2.4GHz only
Wi-Fi Standard	b/g/n
Wireless LAN	Integrated
Annual Power Consumption	108kWh/Year
Power	
Power Consumption (in Operation) max.	75W
Power Consumption (in Standby)	120V : 0.50W / 240V : 0.50W
Power Requirements (voltage)	DC 19.5V
Regulation and Standards Compliance	
VESA® Hole Pitch	7 7/8 x 7 7/8 in (200 x 200 mm)
VESA® Hole Spacing Compatible	Yes
Service and Warranty Information	
Limited Warranty Term	12 months
TV System	
Channel Coverage (Analog)	VHF: 2-13 / UHF: 14-69 / CATV: 1-135
Channel Coverage (Digital Cable)	CATV: 1-135
Channel Coverage (Digital Terrestrial)	VHF: 2-13 / UHF: 14-69
Color System	NTSC
Memory	4G
Number of Tuners (Terrestrial/Cable)	1 (Digital / Analog)
OS	Linux
TV System (Analog)	M
TV System (Digital Cable)	Clear QAM
TV System (Digital Terrestrial)	ATSC
Video	

Video Signal	1080p (60 Hz) 1080i (60 Hz) 720p (60 Hz) 480p 480i
Video Features	
24p True Cinema™ Technology	Yes
4:3 Default	Yes
Advanced Contrast Enhancer (ACE)	Yes
Auto Wide	Yes
Blinking Type	Frame Blinking
LED Motion Mode	Yes
Live Color™ Technology	Yes
Motionflow™ XR Technology	Motionflow XR 240
Picture Mode	Vivid Standard Custom Photo-Vivid Photo-Standard Photo-Custom Cinema Game Graphics Sports
Video Processing	X-Reality PRO
Wide Mode	Wide Zoom Normal Full Zoom Normal / Full1 / Full2 for PC
Weights and Measurements	
Dimensions (Approx.)	TV only: 43 x 25 3/8 x 2 5/8(3/8) in (1092 x 643 x 66(8.9) mm) TV with stand: 43 x 27 x 9 3/8 in (1092 x 683 x 235 mm)
Packaging (Approx.)	Carton dimensions: 46 1/2 x 29 5/8 x 6 3/8 in (1180 x 752 x 161 mm) Carton weight: 30.9 lbs (14 kg)
Weight (Approx.)	TV only: 22.5 lbs (10.2 kg) TV with stand: 23.6 lbs (10.7 kg)
Accessories	

Supplied Accessories	Mini-plug Video Adapter Remote Control (RMT-TX102U) Batteries (R03) AC Power Adaptor (ACDP-085S03, ACDP-085E03) AC Power Cord Spec: (Inlet C7, US plug type, 2pin, straight shape) Operating Instructions Quick Setup Guide / Supplement CUE (GA) Table Top Stand (Separate, assemble required)
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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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