

SONY

KDL-40W590B

40" (diag) W590B Series LED HDTV



Bullets

- Color, clarity & detail at their best w/ X-Reality™ PRO
- Experience precise motion clarity w/ Motionflow™ XR 240
- Play PlayStation®3 games streamed directly to your TV¹
- HD wireless streaming² with quick access to multiple content
- Social Viewing – follow tweets and watch live TV all at once²
- Photo Share – enjoy sharing photos between TV & smartphones or tablets³

Specifications

Audio		Auto Photo Mode	Yes	Twin Picture	PAP (Variable)	
Audio Power Output	8W+8W	Auto Shut-off	Yes	USB Play	Yes (USB viewer supports FAT16, FAT32, exFAT and NTFS file systems.)	
Speaker Configuration	2ch, Full Range (30 x 80 mm) x 2	BRAVIA® Sync™	Yes	USB Play (Contents)	MPEG1 / MPEG2PS / MPEG2TS / AVCHD / MP4Part10 / MP4Part2 / AVI(XVID) / AVI(MotionJpeg) / MOV / WMV / MKV / WEBM / 3GPP / MP3 / WMA / WAV / JPEG / MPO / RAW(ARW)	
Speaker Position	Down Firing	Channel Block (with password)	Analog & Digital			
Audio Features		Channel Jump	Yes			
5.1 Channel Audio Out	Yes	Channel Surf	Yes			
Advanced Auto Volume	Yes	Edit Channel Labels	Yes			
Alternate Audio (Digital)	Yes	Info Banner	Yes	USB Super Multi-Format Play	Yes	
Audio Out	Fixed / Variable	Input Skip	Auto	Design Features		
Auto Mute (on no signal)	Yes	Label Inputs	Yes	Stand Design	AL Shaft Silver	
Clear Phase Speaker	Yes	Multiple Language Display	English Spanish French	Display Features		
Digital Out Format	Dolby Digital, PCM		On/Off Timer	Yes	Backlight Type	LED
Dolby®	Dolby Digital, Dolby Digital Plus, Dolby Pulse	On-Screen Clock	Yes	Dimming Type	Frame Dimming	
Headphone/Speaker Link	Yes	On-Screen Display for External Input	Yes	Display Device	LCD	
Reflector	Yes	Panorama	Yes	Display		
Signal-to-Sound Architecture	Yes	Parental Control	Yes	Aspect Ratio	16:9	
S-Master	Yes	Picture Adjustments Lock	Yes	Display Resolution	Full HD	
Sony Original Surround	S-Force Front Surround	Picture Frame Mode	Yes	Dynamic Contrast Ratio	Over 1 million	
Sound Booster	Yes	Scene Select	Photo Music Cinema Game Graphics Sports Animation	Screen Size (cm)	101.6 cm	
Sound Mode	Standard Cinema Sports Music Game Compressed Audio		Show/Hide Channels	Yes	Screen Size (measured diagonally)	40"(40.0")
	Stereo System		Skin Naturalizer	Yes	Viewing Angle (Right/Left)	178(89/89) degree
				Sleep Timer	Yes	Viewing Angle (Up/Down)
Convenience Features					Energy Saving & Efficiency	
				Backlight Off Mode	Yes	

Dynamic Backlight Control	Yes
Energy Star® compliant	Yes, V5.3 & V6
Power Consumption (On Mode) for Energy Star	41.7W
Power Consumption (Standby Mode) for Energy Star	0.21W
Power Saving Modes	Yes

General Features

Audio Return Channel	Yes
Closed Captions (CC)	Analog Digital
Demo Mode	Yes
Finish (Surface Color)	Black
HDMI™ InstaPort	Yes
Hotel Mode Menu	Yes
Start Up Sony Logo Display	Yes

Inputs and Outputs

AC Power Input	AC Adapter
Analog Audio Input(s) (Total)	2 (Rear)
Audio Out	1 (Side / Hybrid w/ HP)
Component Video (Y/ Pb/Pr) Input(s)	1 (Rear / Hybrid)
Composite Video Input(s)	2 (1 Rear / 1 Rear Hybrid w/ Component)
Digital Audio Output(s)	1 (Rear)
Ethernet Connection(s)	1 (Rear)
HDMI PC Input Format	640x480@60Hz 800x600@60Hz 1280x768@60Hz-R 1280x768@60Hz 1360x768@60Hz 1024x768@60Hz 1280x1024@60Hz 1920x1080@60Hz
HDMI™ Connection(s) (Total)	4 (1 Side / 3 Bottom)
HDMI™ PC Input	Yes
Headphone Output(s)	1 (Side / Hybrid w/ Audio Out)
MHL	Yes
RF Connection Input(s)	1 (Bottom)
Subwoofer Out	1 (Side / Hybrid w/ HP and Audio Out)
USB 2.0	2 (Side)

Network Features

DLNA Content	MPEG1 / MPEG2PS / MPEG2TS / AVCHD / MP4Part10 / MP4Part2 / AVI(XVID) / AVI(MotionJpeg) / MOV / WMV / MKV / WEBM / 3GPP / MP3 / WMA / LPCM / JPEG / MPO
Guide and Search	Yes
Internet Browser	Yes (Opera)
Net AD	Yes (depends on ad provider)
One-Flick entertainment	Yes
Opera Apps (System)	Yes
Photo Share	Yes
Related Search	Yes
Screen mirroring	Yes
Seamless Streaming	Yes
Search	Yes
Skype™	Ready
Social Viewing	Yes (Tweet only)
Sony Entertainment Network	Yes
TV SideView™	Yes
TV Tweet	Yes
Wi-Fi Certified	Yes
Wi-Fi Direct	Yes
Wi-Fi Frequency	2.4Ghz / 5Ghz (for Wi-Fi Direct / Screen mirroring: 2.4Ghz Only)
Wi-Fi Standard	a/b/g/n
Wireless LAN	Integrated
X2 Widget (System)	Yes

Power

Power Consumption (in Operation) max.	75W
Power Consumption (in Standby)	120V : 0.4W / 240V : 0.5W
Power Requirements (voltage)	DC 19.5V

Regulation and Standards Compliance

VESA® Hole Spacing Compatible	Yes
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Service and Warranty Information

Limited Warranty Term	12 months
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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
Number of Tuners (Terrestrial/Cable)	1 (Digital / Analog)

TV System (Analog)	M
TV System (Digital Cable)	Clear QAM
TV System (Digital Terrestrial)	ATSC

Video

Video Signal	1080/24p (HDMI only) 1080/60i 1080/60p (HDMI / Component) 480/60i 480/60p 720/60p 1080/30p (HDMI only) 720/30p (HDMI only) 720/24p (HDMI only)
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Video Features

24p True Cinema™ Technology	Yes
3D Comb Filter	Yes
4:3 Default	Yes
Advanced Contrast Enhancer (ACE)	Yes
Auto Wide	Yes
Blinking Type	Frame Blinking
CineMotion® Reverse 3:2 Pulldown Technology	Yes
Deep Color	Yes
Face Area Detection	Yes
Intelligent MPEG Noise Reduction	Yes
Intelligent Picture Optimizer	Yes
LED Motion Mode	Yes
Live Color™ Technology	Yes
Motionflow™ Technology	Motionflow XR 240
MPEG Noise Reduction	Yes
PhotoTV HD	Yes
Picture Mode	Vivid Standard Custom Photo-Vivid Photo-Standard Photo-Original Photo-Custom Cinema1 Cinema2 Game-Standard Game-Original Graphics Sports Animation
Portable Game Mode	Fine Full Fine Normal Portable Game1 Portable Game2



Super-resolution for Game Mode	Yes	Supplied Accessories	Remote Control (RM-YD103)
Video Processing	X-Reality PRO		Table Top Stand (separate, assembly required)
Wide Mode	Full		Wall Mount Bracket
	Normal		AC Power Adaptor
	Wide Zoom		AC Power Cord (Inlet C7)
	Zoom		Batteries (R03)
	Caption		Screws
	Normal / Full1 / Full2 for PC		Operating Instructions
			Warranty Card
Weights and Measurements		Optional Accessories	
Dimensions (Approx.)	TV only: 36 1/2 x 22 x 3 5/8(2) in (926 x 556 x 89.5 mm)	Optional Accessories	MHI Cable (DLC-MB10, DLC-MB20, DLC-MC20)
	TV with stand: 36 1/2 x 23 x 6 1/2 in (926 x 584 x 162 mm)		VC Camera and Mic (CMU-BR200, CMU-BR100)
Packaging (Approx.)	Carton dimensions: 47 3/8 x 25 3/4 x 5 3/8 in (1202 x 652 x 135 mm) Carton weight: 26.5 lbs (12 kg)		Wireless Subwoofer (SWF-BR100)
Weight (Approx.)	TV only: 16.3 lbs (7.4 kg)	Accessories	
	TV with stand: 17.5 lbs (7.9 kg)		

1. Anticipated service availability Fall 2014. Broadband internet connection required. Additional purchases and registration required; service not available in all areas. See us.playstation.com/PlayStationNow for details.

2. Broadband speed of at least 5 Mbps recommended (10 Mbps for HD). Content subject to change and may require fees. Wireless connectivity requires 802.11 home network (802.11n recommended).

3. Smartphone or tablet must have Wi-Fi® connectivity and an internet browser.

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