

KDL-40EX640

40" (diag.) Sony LED EX640 Internet TV

Enter a world of dazzling picture quality and unlimited entertainment. This elegantly slim LED TV boasts Full HD 1080p for incredible detail and Edge LED backlighting for boosted contrast. Internet connectivity is at your fingertips, so you can watch YouTube™ clips and access online HD movies, music and more.¹



Bullets

- Brilliant Full HD 1080p picture quality
 - Lifelike movement with Motionflow™ XR 240
 - Crisp detail & contrast w/ Clear Resolution Enhancer
 - Bright picture & thin design with Edge LED backlight
 - Movies, music & apps w/ Sony Entertainment Network¹
 - Wi-Fi® adaptor included to stream HD entertainment¹
 - Optimizes picture based on what you're watching
 - Theater-like movie viewing with 24p True Cinema
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Features

Full HD 1080p.

Nothing expresses crystal-clear detail like Full HD 1080p picture quality. It's the highest in-home resolution available and takes advantage of the all-out HD glory of broadcast TV, satellite and other HD sources like your Blu-ray Disc™ player or PlayStation®3 entertainment system.

Lifelike motion.

Watch the football retain its detail during a kickoff and move smoothly as the camera follows it from left to right. Even quick motion seen in action movies appears amazingly realistic as Motionflow™ XR 240 technology, which takes motion clarity beyond refresh rates, smoothes out the picture where the camera can't for clearer and more natural movement.

Clearly different

Fine details and textures appear in whatever you're watching, even in flat areas. Powered by Sony's advanced noise reduction algorithm, this technology boosts image clarity with heightened contrast and depth that you won't find on most televisions.

So bright and so thin.

Powerful yet thin LEDs deliver a radically brighter picture than conventional LCD backlighting. They also help achieve an ultra-slim TV design that looks beautiful in your home. What's more, Sony's Edge LED Backlight technology delivers outstanding contrast, rich colors and enhanced dark-scene detail.

Go way beyond cable

Welcome to the endless entertainment of the Sony Entertainment Network, where thousands of movies, TV shows, online videos, games and music are always at your fingertips. By connecting to the Internet you can access Full HD 1080p entertainment, 3D content and made-for-TV apps like Netflix®, Pandora®, YouTube™, Facebook® and more.¹

Goodbye wires, hello Wi-Fi®.

Make your EX640 series a wireless wonder. Using the UWA-BR100 Wi-Fi® adapter (included), you have instant access to stream movies, photos, music and videos straight to your TV from the internet or your home network—without wires.¹

Picture settings made easy.

Now adjusting the picture is as easy as changing the channel. Just make a quick choice among eight pre-configured audio and video settings for a customized fit to what you're watching. Scene Select options include Sports, Photo, Game, Cinema and Music.

Theater-like movie viewing.

Watch movies the way they were meant to be seen. Sony's 24p True Cinema technology allows the TV to maintain a movie's original 24 frames per second (fps) rate so it looks less like television and more like it would in the movie theater.

Against the grain.

Dazzle the whole family with ultra-crisp HD clarity and less grain. Digital Noise Reduction enhances detail in whatever you're watching with meticulous processing. It even helps clean up video from USB and other PC sources so the picture looks pristine and vivid.

Specifications

Audio

Audio Power Output	8W + 8W
Speaker Configuration	2 Full Range (3x15) x2
Speaker Position	Rear Facing

Audio Features

5.1 Channel Audio Out	Yes
5.1ch Through Out (Handycam)	Yes
Alternate Audio (Digital)	Yes
Audio Out	Variable/Fixed
Bass Booster	Yes
Dolby®	Dolby Digital
Invisible Speaker	Yes
Sound Mode	DynamicStandardClearVoice-Custom
SteadySound® Automatic Volume Control	Yes
Stereo System	MTS(AUTO SAP)
Surround Effect	CinemaSports-MusicGame

Convenience Features

Auto Shut-off	Yes
BRAVIA® Sync™	Yes
Channel Block (with password)	Analog & Digital

Channel Jump	Yes
Channel Surf	Yes
Edit Channel Labels	Yes
Favorites (Simple UI)	Yes
Info Banner	Yes
Input Skip	Auto
Label Inputs	Yes
Multiple Language Display	English/Spanish /French
On/Off Timer	Yes
On-Screen Clock	Yes
On-Screen Display for External Input	Yes
Parental Control	Yes
Picture Adjustments Lock	Yes
Picture Frame Mode	Yes
Scene Select	PhotoMusic-CinemaGame-GraphicsSports
Show/Hide Channels	Yes
Sleep Timer	Yes
Twin Picture	PAP(Fixed), PIP
USB Play	Yes

Design Features

6 degree Upward Style	N/A
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Stand Swivel	Yes
Stand Swivel Range	Left 15°/Right 15°

Display Features

Backlight Type	Edge LED
Dimming Type	Frame Dimming
Display Device	LCD

Display

Aspect Ratio	16:9
Display Resolution	Full HD
Screen Size (measured diagonally)	40"(40")
Viewing Angle (Right/Left)	89/89
Viewing Angle (Up/Down)	89/89

Energy Saving & Efficiency

Backlight Off Mode	Yes
Dynamic Backlight Control	Yes
Energy Star® compliant	Meets Energy Star® version 5.3
Power Consumption (On Mode) for Energy Star	58W
Power Consumption (Standby Mode) for Energy Star	0.236W

General Features

Closed Captions (CC)	Analog, Digital
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Demo Mode	Yes
Finish (Surface Color)	Black
Hotel Mode Menu	Yes
Start Up Sony Logo Display	Yes
Inputs and Outputs	
AC Power Input	1 (Rear)
Analog Audio Input(s) (Total)	2 (1 Rear, 1 Side)
Analog Audio Input(s) for HDMI	1 (Rear Hybrid w/ PC)
Audio Out	1 (Rear)
Component Video (Y/Pb/Pr) Input(s)	1 (Rear Hybrid w/ Composite)
Composite Video Input(s)	2 (1 Side/1 Rear Hybrid)
Digital Audio Output(s)	1 (Rear)
Ethernet Connection(s)	1 (Rear)
HDMI™ Connection(s) (Total)	4 (1 Side/3 Rear)
HDMI™ PC Input	Yes
PC In (D-Sub) + Audio In (Stereo Mini)	1 (D-Sub : Rear, Audio IN : Rear Hybrid w/HDMI)
PC Input Format Support	640x480@60Hz 800x600@60Hz 1280x768@60Hz R1280x768@60Hz 1360x768@60Hz 1024x768@60Hz 1280x1024@60Hz 1920x1080@60Hz
RF Connection Input(s)	1 (Rear)
USB 2.0	2 (Side)
Network Features	
Apps	Yes
BIVL (System)	Yes

BRAVIA® Internet Video	Yes
DLNA Content	JPG, MP3, LPCM, WMA, MPEG1, MPEG2PS, MPEG2TS, AVCHD, MP4, WMV
Internet_Browser	Yes (Opera)
Sony Entertainment Network	Yes
Wi-Fi Certified	Yes
Wireless LAN	Ready (UWA-BR100 included)
Yahoo! Widgets	Yes

Power	
Power Consumption (in Operation) max.	97W
Power Consumption (in Standby)	0.2W with AC120V
Power Requirements (frequency)	60Hz
Power Requirements (voltage)	AC120V

Recycled & Recyclable Materials	
Packaging Materials	Recycled Carton (more than 40%)

Regulation and Standards Compliance	
VESA® Hole Pitch	300 x 300 mm
VESA® Hole Spacing Compatible	Yes

Sensing Features	
LightSensor™ Technology	Yes

Service and Warranty Information	
Limited Warranty Term	12 Months Parts / 12 Months Labor

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 3.58
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), 720/60p, 480/60i, 480/60p

Video Features	
24p True Cinema™ Technology	Yes
3D Comb Filter	Yes
4:3 Default	Yes
Advanced Contrast Enhancer (ACE)	Yes
Auto Wide	Yes
CineMotion® Reverse 3:2 Pulldown Technology	Yes
Clear Resolution Enhancer	Yes
Digital Noise Reduction	Yes
LED Motion Mode	Yes
Live Color™ Technology	Yes

1. Broadband speed of at least 2.5 Mbps recommended (10 Mbps for HD). Content subject to change and may require fees. Wireless connectivity requires 802.11 home network (802.11n recommended).

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