Enhance the quality of everything you watch with a picture that’s four times clearer than regular HD\(^1\), plus more depth and shades of color than you’ve ever seen on a TV before. Add in Wi-Fi\(^\circledR\) connectivity and it’s the highest resolution, most immersive experience we’ve ever created. See the world in 4K Ultra HD and never look back.

**Bullets**

- 4K Ultra HD – four times the clarity of Full HD 1080p\(^1\)
- Everything you watch is enhanced for 4K Ultra HD viewing\(^1, 2\)
- More brilliant color than ever with TRILUMINOS display
- New HDMI 2.0 supported for next 4K video formats\(^1, 2\)
- Feature films in true 4K resolution only from Sony\(^8\)
- Built-in Wi-Fi\(^\circledR\)\(^4\)
- Dynamic Edge LED backlight for amazing contrast
- Experience precise motion clarity w/ Motionflow\(^\text{TM}\) XR 960
- Your smartphone screen on TV w/ NFC screen mirroring\(^3\)
- RS-232 and IR in for custom control installs
- Four pairs of active 3D glasses to enjoy 3D in Full HD\(^5\)
- SimulView\(^\text{TM}\) technology presents twice the fun: 2-player games with no split screen.\(^6\)
- TV SideView\(^\text{TM}\) app to control your TV and channel guide\(^7\)
- See more details in your DSLR photos (8MP+) with 4K resolution\(^1\)

**Features**

**Four times clearer than HD**

That’s right—four times clearer than Full HD 1080p\(^1\). Get acquainted with the highest resolution picture Sony has ever produced on a TV. With four times more resolution than Full HD, the 4K Ultra HD screen contains over 8 million individual pixels (3,840 x 2,160). Advanced picture processing ensures that every one of those pixels displays images with superb brightness and authentic detail.

**HD enhanced to 4K Ultra HD quality**

Suddenly, everything looks better. All of your existing HD sports, TV shows and movies are up-scaled to super clear 4K quality. The new 4K X-Reality\(^\text{TM}\) PRO chip enhances HD (or lower resolution) images by analyzing and refining images with beautifully natural detail and astounding color. The latest Reality Creation database and Super Resolution processing breathes new life into everything you see with phenomenal 4K (3,840 x 2,160) resolution\(^2\).

**See colors never seen on a TV before**

Spoil yourself with the widest color spectrum we’ve ever offered on a television. Unique to Sony, TRILUMINOS Display technology creates incredibly true, natural shades of colors—just the way you want them. Hard-to-reproduce reds, aqua blues and emerald greens are displayed beautifully, so landscapes and seascapes look more vivid. Faces look better, too, with natural skin tones. It’s all thanks to a new TRILUMINOS display that gives images a heightened sense of depth.

**4K Ultra HD now and in the future.**

Sony 4K Ultra HD TV owners are the first in the world to be able to enjoy hit Hollywood movies in 4K Ultra HD, using the Sony 4K Ultra HD Media Player (sold separately). Sony 4K TVs are also ready to support the next 4K video formats, such as 60p 4K sports video, that will become possible using the new HDMI\(^\circledR\) 2.0 specification. A convenient and free Internet firmware update will be available late 2013.\(^1, 2\)

**Movies in 4K Ultra HD**

XBR-65X850A

Sony® 65” class (64.5” diag) 4K Ultra HD TV
Introducing the world’s first in-home media player to bring you 4K Hollywood hit movies (sold separately). Four times clearer than HD, Sony’s Video Unlimited 4K service allows you to rent or purchase feature films, TV shows, documentaries and more*. The 4K Ultra HD Media Player comes preloaded with 10 bonus feature films plus a collection of other free video shorts.

The difference is dynamic.

It’s all about perfecting a natural look. Dynamic Edge LED backlighting with local dimming delivers pitch-black night scenes and illuminates bright scenes. Rather than illuminating the entire screen, contrast is boosted in just the right areas for a more realistic picture.

Lifelike motion.

Watch the sprinter break off the blocks and race smoothly as the camera follows him from left to right. Even quick motion seen in action movies appears amazingly realistic as Motionflow™ XR 960 technology, which takes motion clarity beyond refresh rates, smoothes out the picture where the camera can’t for clearer and more natural movement.

Your smartphone, now on TV

Movies, music and apps from your smartphone can now be viewed big on your TV. With three ways to connect Android™ phones and tablets to the X850, Sony is helping you add value to the entertainment you already own.

1. Using a Mobile High Definition Link cable, you can connect your smartphone to the TV to literally “mirror” what’s seen on the smartphone screen. Video, photos and apps are re-sized and scaled to fit the larger TV screen. You can then use the TV remote to navigate the phone, while it’s charging from the TV.

2. Using screen mirroring technology, you can connect phones that are Miracast™ enabled to the TV.

3. Using One-Touch Mirroring with NFC technology, briefly place your compatible Xperia™ smartphone to the one-touch remote. You’ll instantly be able to view exactly what is on your smartphone’s screen on the TV.

Go way beyond cable with built-in Wi-Fi®

Wirelessly stream beautiful, HD entertainment straight from the internet or your home network using built-in Wi-Fi® connectivity and open the door 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.

Custom control installations.

RS-232C and IR-in for custom control installations.

3D immersion

There’s 3D, then there’s 3D with 4K (3,840 x 2,160). Life-like 3D images emerge from the 4K screen with realism that makes your heart race. The level of detail is absolutely stunning—it’s the closest thing to a 3D theater in your living room. Just slide on the comfortable 3D active glasses and enter a whole new dimension.

Twice the fun: 2-player games with no split screen

Say goodbye to split screen. Now you and a friend can both experience your own big-screen view of the action as you play nail-biting games on your PlayStation®3 system. SimulView™ gaming presents two separate full screen pictures: each player watches independently through Simulview™ mode on the included 3D active glasses. There’s already a growing choice of SimulView™ game titles available.

Control your TV with your smartphone or tablet

Get more from watching television with TV SideView™. Control the TV or browse the channel guide with your smartphone, Xperia™ Tablet or other tablet device (Android™ or iOS), all without interfering with what you’re watching on the TV. Learn more about the show you’re watching right now, like cast and episode details. Search what’s available to watch on TV, internet videos and apps like Netflix®, once you find what you want to watch, you can select to view it on the TV. Make TV viewing more social by Tweeting about the show from your mobile device.

Photos are better with 4K.

See more details in your DSLR photos (8MP+) with 4K resolution (3,840 x 2,160). View, share and edit photo memories with PlayMemories Studio™ software and your PlayStation®3 system on the TV screen. Scroll effortlessly through your image collection. Pinpoint images by date and time, smiles or location. Everything’s smooth and speedy, thanks to the immense processing power of the PlayStation®3 system.

Life-sized video calls.

It’s like they’re in the room with you. Skype® video calls bring your family and friends closer than ever as they appear as large as life on your big screen. Just connect the easy-to-use Skype camera (sold separately) for a face-to-face look at the caller on the beauty of your Sony HDTV.
### Specifications

#### 3D Features
- 3D: Active
- 3D Format Support: Yes (2K-only)
- 3D Super-resolution: Yes
- 3D Sync Transmitter Integrated: Yes
- Auto 3D Depth Adjustment: Yes
- Simulated 3D: Yes (2K-only)

#### Audio
- Audio Power Output: 10W+10W+10W
- Speaker Configuration: 2.1ch, Tweeter(20x40mm)x2, Woofer(67mm)x2, Assist Woofer(60mm)
- Speaker Position: Down Firing

#### Convenience Features
- Auto Photo Mode: Yes
- Auto Shut-off: Yes
- BRAVIA Sync™: Yes
- Channel Block (with password): Analog & Digital
- Channel Jump: Yes
- Channel Surf: Yes
- Edit Channel Labels: 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: Photo, Music, Cinema, Game, Graphics, Sports, Animation
- Show/Hide Channels: Yes
- Skin Naturalizer: Yes (2K only)
- Twin Picture: PAP (Variable)
- USB Play: Yes (USB viewer supports FAT16, FAT32, exFAT and NTFS file systems.)
- USB Super Multi-Format: Yes
- RS-232C Control: Yes for SonySTD
- Illumination LED: Yes
- Sense of QUARTZ: Yes

#### Design Features
- Stand Design: Circle / Chrome Plating

#### Display Features
- Backlight Type: LED
- Aspect Ratio: 16:9
- Display Resolution: 4K (3840x2160)
- Dynamic Contrast Ratio: over 1 million
- Screen Size (cm): 163.9cm
- Screen Size (measured diagonally): 65"(64.5")
- Viewing Angle (Right/Left): 178(89/89)
- Viewing Angle (Up/Down): 178(89/89)

#### Energy Saving & Efficiency
- Dynamic Backlight Control: Yes
- 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: 1 (Rear)
- 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 (Vertical)
- HDMI™ Connection(s) (Total): 4

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**Onboard manual.**

You will never lose your TV manual again. The iManual is available through the menu system on the TV – always there if you need it.
HDMI™ PC Input: Yes
Headphone Output(s): 1 (Side / Hybrid w/Audio Out)
MHL: Yes
RF Connection Input(s): 1 (Bottom)
RS-232C Input(s): 1 (Side / Stereo Mini Jack)
USB 2.0: 3port

**Network Features**
- BIVL (System): Yes
- DLNA Content: MPEG1/ MPEG2PS/ MPEG2TS/ AVCHD/ MP4Part10/ MP4Part2/ AVI(MotInJpeg)/ MOV/ WMV/ MKV/ WEBM/ 3GPP/ MP3/ WMA/ LPCM/ JPEG/ MPO
- Fast Zapping: Yes
- Google TV Sync: YES (US/CA/MX)
- Internet Browser: Yes
- One-touch mirroring: Yes
- Opera Apps (System): Yes
- Related Search: Yes
- Seamless Streaming: Yes
- Search: Yes
- Skype™ Ready
- Sony Entertainment Network: Yes
- TV SideView™: Yes
- TV Tweet: Yes
- Wi-Fi Certified: Yes
- Wi-Fi Direct: Yes
- Wi-Fi Frequency: 2.4GHz
- Wi-Fi Standard: b/g/n
- Wireless LAN: Integrated
- X2 Widget (System): Yes

**Power**
- Power Consumption (in Operation): max. 338W
- Power Consumption (in Standby): 0.20W
- Power Requirements (frequency): 60Hz for UL cUL, 50/60Hz for other
- Power Requirements (voltage): AC 120V for UL cUL, AC 110-240V for other

**Regulation and Standards Compliance**
- VESA® Hole Pitch: 400x300 mm / 15 3/4 x 11 7/8 inch
- VESA® Hole Spacing: Compatible
- LightSensor™ Technology: Yes

**Service and Warranty Information**
- Limited Warranty Term: 18 months

**Service and Warranty Information**
- TV System
  - Channel Coverage (Digital Cable): CATV: 1-135
  - Channel Coverage (Digital Terrestrial): VHF: 2-13/UHF: 14-69
  - Color System: NTSC
  - Number of Tuners (Analog): M
  - Number of Tuners (Terrestrial/Cable): 1 (Digital/Analog)
  - TV System (Digital Cable): Clear QAM
  - TV System (Digital Terrestrial): ATSC

**Video**
- Video Signal:
  - 3840x2160/24p
  - 3840x2160/25p
  - 3840x2160/30p
  - 4096x2160/24p
  - 1080/24p (HDMI only)
  - 1080/50i
  - 1080/60i (HDMI / Component)
  - 480/50i
  - 480/60p
  - 720/50i
  - 720/60p (HDMI only)
  - 720/1080i (HDMI only)
  - 720/24p (HDMI only)

**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
- Clear Mode: Yes
- Deep Color: Yes
- Face Area Detection: Yes (2K only)
- Impulse Mode: Yes
- Intelligent MPEG Noise Reduction: Yes
- Intelligent Picture Optimizer: Yes
- Motionflow™ Technology: Motionflow XR 960
- MPEG Noise Reduction: Yes
- PhotoTV HD: Yes

**Weights and Measurements**
- Dimensions (Approx.):
  - TV only: 58 1/4 x 34 x 2 5/8 (1478 x 894 x 64.29 mm)
  - TV with stand: 58 1/4 x 35 1/4 x 16 in (1478 x 894 x 405 mm)
- Weight (Approx.):
  - TV only: 82.6 lbs (37.5 kg)
  - TV with stand: 85.7 lbs (38.9 kg)

**Accessories**
- Supplied Accessories:
  - 3D Glasses x 4 (TDG-BT500A)
  - AC Power Cord (US 2Pin Pig Tail)
  - Table Top Stand (assembly required)
  - Operating Instructions (US)
  - Warranty (18 months)
- Optional Accessories:
  - CMU-BR200/CMU-BR100
  - VC Camera and Mic
  - SDIG-BT500A

**Optional Accessories**
- 3D Glasses x 4 (TDG-BT500A)
- AC Power Cord (US 2Pin Pig Tail)
- Table Top Stand (assembly required)
- Operating Instructions (US)
- Warranty (18 months)
- One-Touch Remote Control (RMF-VDP01)
- Remote Control (RMD-YD087)
- Batteries (R03)

**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
- PortableGame1
- PortableGame2

**SimulView™**
- Yes

**Super-resolution for Game Mode**
- Yes

**Video Area Detection**
- Yes (2K only)

**Video Processing**
- 4K X-Reality PRO
1. Actual panel resolution of XBR-X850A 4K Ultra HD TV is 3,840 x 2,160 pixels (in 16:9 aspect ratio). HDTVs have a panel resolution of 1,920 x 1080 pixels.

2. Simulated 4K image will vary based on source content.

3. Requires compatible Near Field Communication (NFC)-enabled Xperia™ smartphone. Certain formats are not supported. The video quality may be degraded due to environmental interference.

4. 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). Skype requires CMU-BR100 or CMU-BR200 camera sold sep. Subject to Skype’s terms and conditions.

5. Requires 3D content, 3D player and HDMI® cable (at least 10.2 Gbps) sold sep.

6. PS3 system sold sep.

7. Requires devices connected to the same wireless home network.

8. Ethernet connection required. Fees may apply for 4K networked video service.

9. Requires PS3 system. PlayMemories Studio™ software and HDMI® cable (at least 10.2 Gbps) sold sep.

10. Requires Mobile High Definition Link-compatible smartphone to be connected to the TV with a Mobile High Definition Link cable, sold separately.

11. Requires smartphone with Wi-Fi® certified Miracast™ technology. Certain formats are not supported. The video quality may be degraded due to environmental interference.

12. An Internet firmware update to support HDMI® 2.0 to accommodate 4K/60p (59.94/60Hz) video content will be available end of 2013. Requires that the TV is connected to the internet to receive the update.

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