SONY

FWD-85X850D

85" Pro BRAVIA 4K HDR Ultra HD Display (84.5" diag)

Go beyond what you've seen before on our FWD-85X850D with Android™ TV. Enjoy remarkable 4K[1] HDR clarity, color and contrast, enhanced by the brilliant color of the TRILUMINOS® technology. With an advanced design and powerful feature set, the FWD-85X850 is ideal for professional display applications.

Bullets

- The brilliant contrast, color and detail of 4K[1] HDR
- Colors come alive thanks to the TRILUMINOS® technology
- 4K magic added into every scene with the 4K Processor X1
- Lifelike motion with Motionflow™ XR 960
- Android™ TV with Google Cast™, voice search & Play Store apps[23]
- Silver accents add elegance to the thin design
- Send content from your smartphone to your display with Google Cast™[23]
- Enjoy thousands of apps from Google Play™[23]

Features

Uncover the detail with 4K HDR

High Dynamic Range (HDR) will change the way you look at TV. Combined with 4K Ultra HD resolution[1], HDR video content delivers exceptional detail, color and contrast, with a far wider range of brightness than other video formats. The result is the most lifelike picture TVs have ever been able to create, with brilliant highlights and fine detail.

More color, depth and realism.

Colors are as rich and vivid as nature's own thanks to the TRILUMINOS® Display with more shades of red, green and blue than ever before. You'll enjoy vibrant, authentic images that evoke the emotion in every scene. When combined with HDR video, TRILUMINOS® Display further increases the color depth for noticeably brighter and more realistic colors.

Adding 4K magic into every scene

The 4K Processor X1 ensures everything you watch - movies, sports, and streaming video – looks the best it possibly can. Color, contrast and clarity are all optimized based on what you are watching.

Motionflow™ keeps the action smooth

TV that keeps up with real life. Sony's refresh rate technology (Motionflow™ XR 960) allows fast moving action sequences in sports and movies to be seen with lifelike clarity.

Every scene looks more realistic.

Discover a thrilling world of extraordinary clarity. Every single pixel is enhanced beautifully by our most powerful 4K picture processing technology ever. Individual parts of each scene are analyzed and matched with a special image database that independently addresses texture, contrast, color, and edges. The difference is clear with supremely lifelike detail, no matter what you're watching.

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Dramatic brightness and black levels.

Thanks to Dynamic Contrast Enhancer, experience more life, more texture and more energy in every scene with brighter highlights, deeper blacks, and more natural tonal gradation.

Made to match your space

The thin and beautiful design with a slim bezel with silver inlay takes cues from interior design, allowing it to maintain the harmony of your living room while still making a statement.

A world of possibilities

Find all the entertainment you can dream of, faster than ever. From movies and TV shows to thousands of apps, Sony's Android™ TV brings you everything in an instant[23].

Just say what you want

Spend less time browsing, and more time watching. Voice search on Android TV™ provides you with the power of Google search, allowing you to find content across different services without the hassle of time-consuming text entry[23].

Send to a bigger, better screen with Google Cast™

Send movies and music from your smartphone to your TV with Google Cast™. Use your phone as a remote control[23].

Your favorite apps, on your TV

Enjoy a huge range of apps from Google Play™, including YouTube™, Netflix, Amazon Video, Hulu, Pandora and more. Also, play your favorite Android games on the big screen[23].

A masterpiece of design

Keep wires out of sight, thanks to a hidden cable panel structure, for a clean look.

Specifications

Audio							
Bass/Treble/Balance	Balance	Auto Surround	Yes	Auto Shut-off	Yes
		Clear Audio+	Yes	BRAVIA® Sync™	Yes (including HDMI-CEC)
DSEE/DSEE-HX	DSEE	Clear Phase	Yes		
		Digital Out Format	Dolby Digital, DTS, PCM	Channel Block (with password)	Analog & Digital
Speaker Configuration	2ch, Two way speaker (Tweeter (30 mm) + Woofer (40 x 100 mm)) x2	Dolby®	Dolby Digital, Dolby Digital Plus, Dolby Pulse	Google Cast	Yes
		Headphone/Speaker Link	Yes	i-Manual	Yes
Speaker Position	Down Firing	S-Master	S-Master Digital Amplifier	Input Language Display	BUL / CAT / HRV / CES / DAN / DUT / ENG / EST / FIN / FRA / GER / GRK / HUN / ITA / LAV / LIT / NOR / POL / POR / RON / RUS / SLK / SLV / SPA / SWE / TUR / UKR / THA / VIE / ARA / FAS / JPN
Speaker Type	Long Duct	Sony Original Surround	S-Force Front Surround		
Audio Features		Sound Mode	Standard Cinema Live Football Music		
Advanced Auto Volume	Yes				
Alternate Audio (Digital)	Yes	Application Store	Yes	Multiple Language Display	English Spanish French
		Convenience Features			
Audio Out	Fixed / Variable	Auto Photo Mode	Yes	On/Off Timer	Yes
Auto Mute (on no signal)	Yes			On-Screen Clock	Yes

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Parental Control	Yes
Show/Hide Channels	Yes (Digital & Analog)
Sleep Timer	Yes
USB Play	Yes
USB Play (Contents)	MPEG1 / MPEG2PS / MPEG2TS / AVCHD / MP4Part10 / MP4Part2 / AVI (MotinJpeg) / MOV / WMV / MKV / WEBM / 3GPP / MP3 / WMA / WAV / FLAC / JPEG
Voice Function	Yes

Customizing Capability

RS-232C Control	Yes
Illumination LED	Yes

Design Features

Stand Design	Silver Slate

Display Features

Backlight Type	Edge LED
Dimming Type	Frame Dimming
Display Device	LCD
Triluminos Display	Yes

Display

Aspect Ratio	16:9
Display Resolution	QFHD
Number of pixels(H x V)	3840 x 2160
Screen Size (cm)	214.8 cm
Screen Size (measured diagonally)	85" (84.6")
Viewing Angle (Right/Left)	178 (89/89) degree
Viewing Angle (Up/Down)	178 (89/89) degree

Energy Saving & Efficiency

Backlight Off Mode	Yes
Dynamic Backlight Control	Yes
Power Saving Modes	Yes

General Features

Closed Captions (CC)	Analog Digital
Demo Mode	Yes
Hotel Mode Menu	Yes

Inputs and Outputs

AC Power Input	1 (Rear)
Analog Audio Input(s) (Total)	2 (Rear)
Audio Out	1 (Side / Hybrid w/HP and Subwoofer Out)
Bluetooth	Version 4.1 HID / HOGP / 3DSP / SPP
Component Video (Y/Pb/Pr) Input(s)	1 (Rear)

Composite Video Input(s)	2 (1 Rear / 1 Rear Hybrid w/ Component)
Digital Audio Output(s)	1 (Side)
Ethernet Connection(s)	1 (Side)
HDCP	HDCP 2.2 (for HDMI1/2/3/4)
HDMI PC Input Format	640 x 480@60Hz 800 x 600@60Hz 1024 x 768@60Hz 1280 x 1024@60Hz 1600 x 900@60Hz 1152 x 864@75Hz 1680 x 1050@60Hz 1920 x 1080@60Hz 3840 x 2160@30Hz
HDMI Signal	4096 x 2160p (24, 60Hz), 3840 x 2160p (24, 30, 60Hz), 1080p (30, 60Hz), 1080/24p, 1080i (60Hz), 720p (30, 60Hz), 720/24p, 480p, 480i
HDMI Version	Up to 18Gbps (for HDMI 1/2/3/4)
HDMI™ Connection(s) (Total)	4 (outside1, center3)
Headphone Output(s)	1 (Side / Hybrid w/HP and Subwoofer Out)
RF Connection Input(s)	1 (Side)
RS-232C Input(s)	1 (Side/ Mini Jack)
Subwoofer Out	1 (Side / Hybrid w/HP and Subwoofer Out)
USB 2.0	3 (Side)

Network Features

Home Network	MPEG1 / MPEG2PS / MPEG2TS / AVCHD / MP4Part10 / MP4Part2 / AVI (MotinJpeg) / MOV / WMV / MKV / WEBM / 3GPP / MP3 / WMA / LPCM / JPEG / FLAC
Internet Browser	Yes (Opera / not pre-Installed)
Internet EPG	Yes
Live Football Mode	Yes
Net AD	Yes (Net Ad operation is depends on ad provider on that region)
Photo Sharing Plus / Photo Share	Yes
PS now	Yes (US/ Canada/ UK/ Japan)
Screen mirroring(Miracast)	Yes
Social Viewing	Yes
TV SideView™	Yes
What's New	Yes
Wi-Fi Certified	Yes
Wi-Fi Direct	Yes
Wi-Fi Frequency	2.4GHz / 5GHz

Wi-Fi Standard	a/b/g/n/ac
Wireless LAN	Integrated
Annual Power Consumption	217 kWh/Year

Power

Power Consumption (in Operation) max.	273W
Power Consumption (in Standby)	0.5W
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	15 3/4 x 11 7/8 in (400 x 300 mm)
VESA® Hole Spacing Compatible	Yes

Sensing Features

LightSensor™ Technology	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 Space	sRGB / BT709, BT2020, AdobeRGB, DCI
Color System	NTSC
Memory	16GB
Number of Tuners (Terrestrial/Cable)	1 (Digital / Analog)
OS	Android
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
4K Processor	X1
Advanced Contrast Enhancer (ACE)	Yes

Auto Wide	Yes
Blinking Type	Frame Blinking
Face Area Detection	Yes
HDR Compatible (High Dynamic Range)	Yes
Live Color™ Technology	Yes
Mastered in 4K	Yes
Motionflow™ XR Technology	Motionflow XR 960
PhotoTV HD	Yes
Picture Mode	Vivid Standard Custom Cinema Pro Cinema Home Sports Animation Photo-Vivid Photo-Standard Photo-Custom Game Graphics HDR-Video
Video Processing	4K X-Reality PRO
Wide Mode	Full Normal Wide Zoom Zoom Normal / Full1 / Full2 for PC

Weights and Measurements

Dimensions (Approx.)	TV only: 75 1/2 x 43 3/4 x 2 7/8(13/16) in (1917 x 1109 x 73(20) mm) TV with stand: 75 1/2 x 46 5/8 x 15 7/8 in (1917 x 1182 x 402 mm)
Packaging (Approx.)	Carton dimensions: 82 1/2 x 49 1/8 x 15 7/8 in (2095 x 1246 x 403 mm) Carton weight: 182.9 lbs (83 kg)
Weight (Approx.)	TV only: 132.6 lbs (60.2 kg) TV with stand: 144.5 lbs (65.6 kg)

Accessories

Supplied Accessories	Voice Remote Control (RMF-TX200U) Batteries (R03) AC Power Cord (Pigtail, US with polarity) IR Blaster (IRB-BR1) Operating Instructions Quick Setup Guide / Supplement CUE (GA) Table Top Stand (Separate, assembly required)

Optional Accessories

Optional Accessories	Wireless Subwoofer (SWF-BR100)

B2B Function	Full HD	4K UHD	Application
Guest Mode	Y	Y	Ideal for hospitality market, hotels
Hide Settings Menu	Y	Y	
Initial Channel	Y	Y	
Volume Restriction	Y	Y	
AC Power ON	Y	Y	
Disable Remote/Switch	Y	Y	
Settings Clone	Y	Y	
Custom Home Menu (HTML5)	N	Y	
IP Control	N	Y	Ideal for system integration market in corporate and education applications
HTML5 Application Platform	N	Y	
Android Platform	N	Y	
Extension Software	N	Y	
HDMI Auto Wakeup	N	Y	
Security Features	N	Y	
Touch Overlay Support	N	Y	
Portrait	N	Y*	
Miracast/Google Cast	N	Y**	
Mouse/Keyboard	N	Y***	

*Applies to X850D Series beginning August 2016
**Google Cast is not currently available in Pro Mode
***Keyboard is available in applications only; mouse is available in the home menu

1. 3,840 x 2,160 pixels.

2. Broadband speed of at least 2.5 Mbps recommended for SD services, 10 Mbps for HD streaming or 4K downloads, 20 Mbps for 4K Ultra 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.

3. Requires compatible devices connected to the same network. Google Cast requires mobile devices with Android 2.3 or higher, or iOS 6.0 or higher and Chromecast application. Google Play using Android TV Remote Control application requires Android 4.0 or higher; not available for iOS. Voice Search is available using the included remote control, Android TV Remote Control application with Android 4.0 or higher, or using Sony's TV SideView application available for Android 4.0.3 or higher or iOS 7.0 or higher.

4. PlayStation™ Now service requires DUALSHOCK®4 controller, sold separately, and 5Mbps Internet connection (5-12 Mbps recommended for the best quality experience). Additional purchases and registration required; service not available in all areas. See us.playstation.com/PlayStationNow for details.

5. Requires HDR compatible content from supported streaming services, such as Amazon Video.

6. Logitech Harmony Hub sold separately. Requires all compatible devices connected to the same network. Refer to Logitech for details on compatible devices. Compatible IP cameras require direct connection to the TV via Wi-Fi.