

SONY

XBR-65Z9F

65" class (64.5" diag.) BRAVIA 4K HDR ULTRA HD TV

Powerful. Beautiful. The Picture Processor X1™ Ultimate and X-tended Dynamic Range™ PRO 12x technology give the Z9F immaculate 4K HDR¹ picture quality. X-Wide Angle technology ensures a great view of the TV from anywhere in the room, and X-Motion Clarity makes action scenes look amazingly real. Introducing the MASTER Series: the best of Sony.



Bullets

- MASTER series TVs are meticulously engineered for excellence with the latest and greatest in TV technology
- Precision Full Array Local Dimming & Boosting for more exact dynamic range
- Everything is upscaled to get close to 4K HDR^{1,6} with the Picture Processor X1™ Ultimate and 4K X-Reality PRO
- X-tended Dynamic Range™ PRO 12X contrast range provides a wider range of brightness⁹.
- 4K HDR^{1,2} - HDR10, HLG & Dolby Vision™⁷ for incredible detail and clarity
- Enjoy smooth and vibrant colors with TRILUMINOS™ Display & 4K HDR Super Bit Mapping
- X-Wide Angle technology makes picture and color look great from anywhere in the room
- On-screen action and motion look better than ever with X-Motion Clarity™ technology
- Android™ TV with the Google Assistant technology gives you a genius TV^{3,10}
- Enjoy studio-quality content with Netflix Calibrated Mode⁸
- A TV with premium aesthetics: Slice of living design with cable management
- Compatible with Google Home⁴ and Amazon Alexa⁵ for an even smarter home

Features

MASTER Series: Meet the Masters

Sony's MASTER Series TVs are the very best of Sony, created to exemplify the goal of faithfully conveying the creator's intent on-screen. These TVs are engineering marvels that are meticulously designed with the latest and greatest proprietary TV technology. The MASTER Series TVs deliver the best picture quality available, no matter what you like to watch.

Enhanced brightness, incredible contrast with Precision Full Array Local Dimming & Boosting

Sony's precision full-array local dimming and boosting technology dynamically changes the light levels in different parts of the screen based on what's on the screen, resulting in a dramatic increase in contrast and brightness. Add in X-tended Dynamic Range™ PRO 12x which gives the screen 12 times the contrast range⁹ of a conventional LED-edge lit TV. By accurately balancing the light output across the screen, darker scenes get darker and brighter scenes get brighter.

Intelligent processing, ultimate realism.

Simply put, our brand-new proprietary 4K HDR Picture Processor X1™ Ultimate is our best processor, ever. Object-based rendering happens in real time at lightning speed to remaster and upscale everything you see to near-4K HDR quality^{1,6}. Everything on the screen is identified, analyzed and optimized individually to adjust the overall contrast, sharpness and color for a picture that looks nearly identical to the real thing.

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Experience a more natural picture with 4K X-Reality PRO and Object-Based Super Resolution

Every object, accurately displayed. With Object-Based Super Resolution in combination with 4K X-Reality PRO™, you'll see lifelike detail, textures, and clarity in everything you watch. Leveraging intelligent dual database processing, pictures look cleaner with less on-screen noise^{1,6}. Every single pixel is enhanced beautifully by Sony's best 4K HDR Picture Processor X1™ Ultimate

See the big picture with 4K HDR and Dolby Vision

High Dynamic Range (HDR) picture is the way TV was always meant to be watched. 4K Ultra HD resolution¹ and HDR video content combine to bring dazzling detail, color and contrast to everything you watch, while keeping a far wider range of brightness than other video formats². Dolby Vision™⁷ brings scenes to life with striking highlights, deeper darks and vibrant colors. Whichever format you choose, Sony MASTER Series TVs deliver picture-perfect reality, creating an immersive and engaging cinematic experience.

TRILUMINOS™ Display & 4K HDR Super Bit Mapping deliver smooth and vibrant colors

Scenes appear as they do in real life with X-Motion Clarity™ technology. This revolutionary, best in class technology from Sony refines action on the screen in real time with an incredible refresh rate for action that is brighter and clearer than ever before.

X-Wide Angle

X-Wide Angle technology gives the Z9F vivid real-world colors from any angle while retaining more color and brightness than other LED TVs. Enjoy a great picture with incredible color from anywhere in the room.

On-screen action and motion look better than ever with X-Motion Clarity™ technology

The difference is clear. You'll see lifelike detail and stunning clarity, no matter what you're watching. Two powerful image improvement databases work together, dynamically improving images in real time. 4K X-Reality PRO™ upscales images to near 4K clarity while a second database cleans the picture and reduce on-screen noise⁶. Every single pixel is enhanced beautifully by the powerful 4K HDR Picture Processor X1™ Ultimate

A genius TV, a smarter home

With Android TV, simply ask, and you shall receive. Control your TV and smart home hands-free by talking directly to your TV³ with the Google Assistant built in. Cast your favorite apps with Chromecast built-in¹¹, or enjoy a huge range of apps from Google Play™, including YouTube™, Netflix, Prime Video, Hulu, Spotify and more.^{10,12} With Google Home⁴ and Amazon Alexa⁵ compatibility, simply voice-control your TV and ask it to do things like cast and control videos from YouTube with Google Home or change the channel or volume with Amazon Alexa.

Meet your Google Assistant

Sony TVs equipped with Android TV have the Google Assistant built in, making your life easier with hands-free voice search. Just start with "Hey Google" to ask it questions, control smart home devices like Nest™, or access many of the apps and services you already use every day^{3,10}. It's your own personal Google, always ready to help.

Enjoy studio quality with Netflix Calibrated Mode

This mode was specially developed to enjoy Netflix originals and reproduce picture quality on a TV that is as brilliant as a studio evaluation master. With Netflix Calibrated Mode⁸, the creator's vision and intent is faithfully preserved.

Optimizing colors for professionals

Our MASTER Series TVs receive high performance calibration that has never previously been possible using CalMAN software. It allows adjustments to be made with finer precision than conventional picture quality settings to meet the strict requirements of creators in the post-production stage. Colors are reproduced with maximum fidelity to the original TV signal, giving exceptional picture control for a TV. CalMAN also features an easy-to-use interface that has been well received by calibration specialists.

Slice of living design with cable management

Unightly wires are managed and kept out of sight inside the hidden cable panel structure for a clean, sophisticated look. The aesthetics of the new Slice of Living design not only compliment your living space, but coexist perfectly with Sony's 2018 lineup of high-performance sound bars, making your entertainment center look like a work of art.

Specifications

Audio		Speaker Configuration	2ch, Full Range (25x90mm)x2	Speaker Type	Bass Reflex
Audio Power Output	10W + 10W	Speaker Position	Down Firing	Audio Features	
Bass/Treble/Balance	Balance				

Advanced Auto Volume	Yes
Alternate Audio (Digital)	Yes
ARC Output Format	Two channel linear PCM: 48 kHz 16 bits, Dolby Digital, Dolby Digital Plus, DTS
Auto Surround	Yes
Clear Phase	Yes
Dolby audio format support	Dolby Digital, Dolby Digital Plus, Dolby Pulse, Dolby AC-4
DTS audio format support	DTS Digital Surround
HDMI Audio Return Channel(ARC)	Yes
HDMI input Audio format	5.1 channel linear PCM: 32 /44.1 / 48/ 88.2 /96/ 176.4/ 192kHz 16/ 20/ 24bits, Dolby Digital, Dolby Digital Plus, DTS
Simulated Surround Sound	S-Force Front Surround
S-Master	S-Master Digital Amplifier
Sound Modes	Standard, Dialog, Cinema, Music, Sports, Dolby Audio
Convenience Features	
Application Store	Yes (Google Play Store)
Auto Picture Mode	Yes
Auto Shut-off	Yes
Channel Block (with password)	Yes (Analog&Digital)
Chromecast built-in	Yes
HDMI-CEC	Yes
i-Manual	Yes
On/Off Timer	Yes
On-Screen Clock	Yes
Parental Control	Yes
Show/Hide Channels	Yes (Digital&Analog)
Sleep Timer	Yes
Text Input Language	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
USB drive format support	Yes (Supported File System: FAT16/FAT32/exFAT/NTFS)

USB playback codecs	MPEG1:MPEG1/ MPEG2PS: MPEG2/MPEG2TS (HDV,AVCHD):MPEG2, AVC/ MP4 (XAVCS):AVC , MPEG4 ,HEVC/AVI :Xvid, MotionJpeg/ ASF(WMV): VC1/ MOV:AVC, MPEG4, MotionJpeg/ MKV: Xvid,AVC, MPEG4, VP8, HEVC/WEBM: VP8/3GPP: MPEG4, AVC/ MP3 /ASF (WMA) /WAV /MP4AAC / FLAC / JPEG WEBM:VP9/AC4/ogg/ AAC/ARW(Screen nail only)
Voice Search	Yes
Customizing Capability	
RS-232C Control	Yes
Design Features	
Cable Management	Yes
Frame color	Black
Illumination LED	Yes
Stand Design	Black Chevron
Display Features	
Backlight dimming type	Local Dimming
Backlight Type	Direct LED
Display type	LCD
TRILUMINOS Display	Yes
X-tended Dynamic Range PRO/ X-tended Dynamic Range	X-tended Dynamic Range PRO
Display	
Aspect Ratio	16:09
Display Resolution	QFHD
Display resolution (H x V, pixels)	3840x2160
Screen Size (cm, measured diagonally)	163.9cm
Screen Size (inch, measured diagonally)	65" (64.5")
Viewing Angle (Right/ Left)	178 (89/89) degree
Viewing Angle (Up/ Down)	178 (89/89) degree
Energy Saving & Efficiency	
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	

4K 60P High-Quality formats	HDMI IN1, IN2, IN3, IN4 ports for 4K(up to 6Gbps) signal
AC Power Input	1 (Rear)
Analog Audio Input(s) (Total)	1 (Side)
Bluetooth profile support	Version 4.2 HID/HOGP/SPP/A2DP/AVRCP
Composite Video Input(s)	1 (Side)
Digital Audio Output(s)	1 (Bottom)
Ethernet Connection(s)	1 (Bottom)
HDCP	HDCP2.3(for HDMI1/2/3/4)
HDMI inputs total	4 (1 Side, 3 Bottom)
HDMI PC Input Format	640x480 (31.5kHz,60Hz), 800x600 (37.9kHz,60Hz), 1024x768 (48.4kHz,60Hz), 1280x1024 (64.0kHz,60Hz), 1152x864 (67.5kHz,75Hz), 1600x900 (55.9kHz,60Hz), 1680x1050 (65.3kHz,60Hz), 1920x1080 (67.5kHz,60Hz)
HDMI Signal	4096 x 2160p (24,60Hz), 3840 x 2160p (24,30,60Hz), 1080p (30,60,120Hz), 1080i (60Hz), 720p (30,60Hz), 720i (24p, 480p)
Headphone Output(s)	1 (Side)
RF Connection Input(s)	1 (Bottom)
RS-232C Input(s)	1 (Bottom)
USB Port(s)	2 (Side) / 1 (Bottom)
Network Features	
Codec for Home Network	MPEG1: MPEG1/ MPEG2PS: MPEG2 / MPEG2TS (HDV,AVCHD): MPEG2, AVC / MP4(XAVC S): AVC, MPEG4, HEVC / AVI: Xvid, MotionJpeg / AS F (WMV): VC1/ MOV : AVC, MPEG4, MotionJpeg / MKV:Xvid, AVC, MPEG4, VP8, HEVC / WEBM:VP8 / 3GPP:MPEG4,AVC / MP3/ASF (WMA)/ LPCM/ WAV/MP4AAC/FLAC/ JPEGMPEG1:MPEG1/ MPEG2PS:MPEG2/
Featured (Content Bar)	Yes
Home Network Feature	Home Network Client, Home Network Renderer
Internet Browser	Vewd (Not pre-installed)
Other Network Features	Content Bar: Yes Related Info: Yes (US / Canada / MX(STB))
Screen mirroring(Miracast™)	Yes (only for B2B purpose)
Wi-Fi Certified	Yes

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Wi-Fi Direct	Yes
Wi-Fi Frequency	2.4GHz/5GHz
Wi-Fi Standard	a/b/g/n/ac
Wireless LAN	Integrated
Power	
Annual Power Consumption	315 kWh/Year
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	11 7/8 x 11 7/8 inch (300x300 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
Color Space	sRGB/
Color System	NTSC
Number of Tuners (Terrestrial/Cable)	1(Digital/Analog)
On-board Storage (GB)	16GB
OS	Android 8.0 Oreo
Tuner Channel Coverage (Digital Cable)	CATV: 1-135
Tuner Channel Coverage (Digital Terrestrial)	VHF: 2-13/UHF: 14-69
TV System (Analog)	M
TV System (Digital Cable)	Clear QAM
TV System (Digital Terrestrial)	ATSC
Video Features	
24p True Cinema	Yes
4:3 Default	Yes
4K Processor	Picture Processor X1 Ultimate
Auto Wide	Yes
Blinking Type	Line Blinking
Dual database processing	Yes
Dynamic Contrast Enhancer	Yes

Face Area Detection	Yes
HDR (High Dynamic Range) compatibility	Yes(HDR10, HLG, DolbyVision)
Live Color™ Technology	Yes
Object-based HDR remaster	Yes
Panel Refresh Rate (Native Hertz)	120Hz
PhotoTV HD	Yes
Picture Modes	Vivid, Standard, Cinema, Game, Graphics, Photo, Custom
Precision Color Mapping	Yes
Super Bit Mapping™ 4K HDR	Yes
Video Processing	4K X-Reality PRO
Wide Mode	Wide Zoom/Normal/Full/Zoom Normal/Full1/Full2 for PC
CineMotion/Film Mode/Cinema Drive	Yes
Weights and Measurements	
Dimensions (Approx.)	Tv only: 57 1/4 x 33 x 2 3/4(2 3/4) inch (1453x837x67 (66.6) mm) Tv with stand: 57 1/4 x 35 3/4 x 12 3/8 inch (1453x906x314 mm) Stand Width: 47 inch (1192 mm) AC Cable Length: 1500mm
Packaging (Approx.)	Carton: 61 5/8 x 38 3/4 x 7 3/4 inch (1565 x 984 x 196 mm) Carton weight: 83.8lb. (38 kg)
Weight (Approx.)	Tv only: 62.2 lb (28.2 Kg) Tv with stand: 65 lb (29.5 Kg)
Accessories	
Supplied Accessories	Voice Remote Control (RMF-TX220U) Batteries (LR03) AC Power Cord Spec (US, Pig-tail, 2pin, flat blades Polarity) IR Blaster (1-845-407-11) Operating Instructions (US,FR) Quick Setup Guide / Supplement CUE (GA) (US,FR,ES,PT) Table Top Stand (Separate(assembly required))



1. 3,840 x 2,160 pixels
2. Requires HDR compatible content from supported streaming services, such as Netflix, Ultra and Amazon Video or HDR compatible content device connected via HDMI input. Requires HDMI @ cables sold sep.
3. User must connect to a Google account to use, including voice to activate linked apps.
4. Google Home device (sold separately) compatible with Sony TV's powered by Android TV. Requires compatible devices connected to the same wireless home network. Download the Google Home app from the iPhone App Store or Google Play. Subject to third party app terms and conditions. User must link compatible devices in order to control operation. Once download is complete, the Google Home feature may be connected to the Sony device to access the voice control function. Google Assistant built in and hands-free voice are only available in the English language.
5. Amazon Alexa enabled devices (sold separately) compatible with Sony TV's powered by Android TV. Amazon account required. Subscriptions may be required to access certain content.
6. Upscaled, simulated and enhanced 4K images will vary based on source content.
7. Dolby Vision™ is available via network update. Dolby Vision content will be compatible with Dolby Vision devices and streaming services such as Prime Video, Apple TV 4K, and Netflix.
8. Netflix streaming membership required. 4K Ultra HD availability subject to your Netflix subscription plan, internet service, device capabilities, and content availability. www.netflix.com/termsofuse
9. This is the perceptible contrast level expanded by X-tended Dynamic Range PRO technology, which is a unique figure calculated for the contrast that users actually feel and experience (XDR Contrast). This figure is based on our conventional TV without local dimming.
10. 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 802.11n home network (802.11n recommended). Network services, content, and the operating system and software of this product may be subject to separate or third party terms and conditions and changed, interrupted or discontinued at any time and may require fees, registration and credit card information. Apps must be compatible with TV.
11. Chromecast built-in compatibility dependent on app.
12. App availability varies by region and device. Use of this TV requires consent to Google Terms of Service and Privacy Policy. Please visit <http://www.google.com/policies/terms/>, <http://www.google.com/policies/privacy/>. Third party product and services sold separately. Must download 3rd party apps in smart phone. Requires compatible devices connected to the same wireless home network.

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