

KDL-70R520A

Sony® R520A Series 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.



Bullets

- Edge LED backlight for a bright picture & thin design
- Lifelike movement with Motionflow™ XR 240
- Receiver-less TV for DirecTV customers²
- Movies, music & apps w/ Sony Entertainment Network
- Stream HD entertainment wirelessly with built-in Wi-Fi®
- Your smartphone's screen on TV w/ wireless mirroring¹
- Crisp detail & contrast w/ Clear Resolution Enhancer
- Smartphone ready - TV that's made for your smartphone³

Features

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.

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.

Receiver-less TV

For DIRECTV customers with a Genie™ Whole-Home HD DVR, the Sony R520A series allows you to enjoy full DIRECTV service and HD DVR functionality without an additional receiver. Place the Genie™ Whole-Home HD DVR in any room of the house and enjoy the clean look of your big screen on the wall without the clutter of connecting a DIRECTV receiver to it².

Go beyond cable with Internet TV

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 and touching the 'SEN' button the TV remote, you can access Full HD 1080p entertainment, and made-for-TV apps like Netflix®, Pandora®, YouTube™, Facebook® and more.

Goodbye wires, hello Wi-Fi®.

Maximize your entertainment while reducing cable clutter. Wirelessly stream beautiful, HD entertainment straight from the internet or your home network using built-in Wi-Fi® connectivity.

Your smartphone, now on TV

Movies, music and apps from your smartphone can now be viewed big on your TV. With two ways to connect Android phones and tablets to the R520A, 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 TV³.

2. Using screen mirroring technology, you can connect phones that are Miracast™ enabled to the TV¹.

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.

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		On-Screen Clock	Yes	Viewing Angle (Right/Left)	176(88/88)
Audio Power Output	10W + 10W	On-Screen Display for External Input	Yes	Viewing Angle (Up/Down)	176(88/88)
Speaker Configuration	Full Range (45x200mm) x2	Parental Control	Yes	Energy Saving & Efficiency	
Speaker Position	Bottom	Photo Frame Mode	Yes	Backlight Off Mode	Yes
Audio Features		Picture Adjustments Lock	Yes	Dynamic Backlight Control	Yes
5.1 Channel Audio Out	Yes	Scene Select	Music Cinema Game Graphics Sports	Energy Star® compliant	Veró
5.1ch Through Out (Handycam)	Yes			General Features	
Alternate Audio (Digital)	Yes	Show/Hide Channels	Yes	Audio Return Channel	Yes
Audio Out	Variable/Fixed	Sleep Timer	Yes	Closed Captions (CC)	Yes
Dolby®	MS10 (Dolby Digital Plus, Dolby Pulse)	Twin Picture	PAP(Fixed), PIP	Demo Mode	Yes
Invisible Speaker	Yes	USB Play	Yes	Finish (Surface Color)	Black
Sound Booster	Yes	USB Play (Contents)	MPEG1/ MPEG2TS/ MPEG2PS/ MPEG4Visual/ MPEG4AVC/ H.264/ WMV/ Xvid/ MP3/ AAC/ HE-AAC/ DolbyDigitalAC3/ DTS/ WMA/ Jpeg	Hotel Mode Menu	Yes
Sound Mode	Standard Music Cinema Game Sports			Start Up Sony Logo Display	Yes
		USB Super Multi-Format Play	Yes	Inputs and Outputs	
SteadySound® Automatic Volume Control	Yes	Design Features		AC Power Input	1 (Rear)
Stereo System	MTS(AUTO SAP)	Stand Design	Steel Rod / Chrome Plating	Analog Audio Input(s) (Total)	1(Rear)
Convenience Features		Display Features		Audio Out	1(Rear)
Auto Shut-off	Yes	Backlight Type	Edge LED	Component Video (Y/Pb/Pr) Input(s)	1 (Rear Hybrid w/ Component)
BRAVIA® Sync™	Yes	Dimming Type	Frame Dimming	Composite Video Input(s)	1 (Rear Hybrid w/ Component)
Channel Block (with password)	Yes	Display Device	LCD	Digital Audio Output(s)	1(Rear)
Channel Jump	Yes	Display		Ethernet Connection(s)	1 (Rear)
Channel Surf	Yes	Aspect Ratio	16:9	HDMI™ Connection(s) (Total)	4 (2 Rear, 2 Side)
Edit Channel Labels	Yes	Display Resolution	Full HD	HDMI™ PC Input	Yes
Favorites (Simple UI)	Yes	Dynamic Contrast Ratio	over 1 million	MHL	Yes
Info Banner	Yes	Screen Size (cm)	176.6 cm	RF Connection Input(s)	1 (Rear)
Input Skip	Yes	Screen Size (measured diagonally)	70"(69.5")	USB 2.0	2 (Side)
Label Inputs	Yes	Network Features			
Multiple Language Display	English/Spanish /French			BIVL (System)	Yes
On/Off Timer	Yes				

DLNA Content	JPG/ MP3/ WMA/ MPEG1/ MPEG2PS/ MPEG2TS/ AVCHD/ MP4/ WMV
Internet_Browser	Yes (Opera)
Opera Apps (System)	Yes
Screen mirroring	Yes
Sony Entertainment Network	Yes
TV Tweet	Yes (Opera)
Wi-Fi Certified	Yes
Wi-Fi Direct	Yes
Wireless LAN	Integrated

Power

Power Consumption (in Operation) max.	240W
Power Consumption (in Standby)	0.2W
Power Requirements (frequency)	60Hz
Power Requirements (voltage)	AC120V

Recycled & Recyclable Materials

Packaging Materials	Recycled Carton (more than 70%)
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Regulation and Standards Compliance

VESA® Hole Spacing Compatible	Yes
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Sensing Features

LightSensor™ Technology	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)

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
Clear Resolution Enhancer	Yes
Digital Noise Reduction	Yes
Intelligent Picture Plus with Signal Booster	Yes
LED Motion Mode	Yes
Live Color™ Technology	Yes
Motionflow™ Technology	Motionflow XR 240
MPEG Noise Reduction	Yes

Picture Mode	Vivid
	Standard
	Custom
	Cinema
Wide Mode	Graphics
	Full
	Normal
	Wide Zoom
	Zoom
	Normal/Full1/Full2 for PC

Weights and Measurements

Dimensions (Approx.)	TV Only: 62 1/2 x 36 3/4 x 3 5/8 in (1587x931x909 mm)
	TV with Stand: 62 1/2x38 1/2x15 inch (1587x975x378 mm)

Measurements (Approx.)

Package Carton (W x H x D)	1767 x1030 x 217 mm/ 69 5/8 x 40 5/8 x 8 5/8 inches
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TV only (W x H x D)	1587x931x90(54.6) mm / 62 1/2x36 3/4x3 5/8(2 1/4) inches
TV with Stand (W x H x D)	1587x975x378 mm / 62 1/2x38 1/2x15 inches

Supplied Accessories

AC Power Cord	US 2 Pin, Pig-tail
Batteries	R03(Type AAA) x 2
Operating Instructions	US
Quick Setup Guide / Supplement CUE (GA)	Yes
Remote Control	RM-YD096
Screws	Yes
Table Top Stand	Separate (assembly required)
Warranty Card	Yes

Optional Accessories

Wallmount Bracket	SU-WL500
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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).

2. Requires compatible DIRECTV Genie™ Whole Home HD DVR and TV be connected to the same wireless home network.

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

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