

SAMSUNG

Crystal UHD U8500F 4K Smart TV (2025)

The best-in-class, crystal clear choice



43-55"



65-85"

Top Features

Crystal Processor 4K

Feel virtually every shade of colour as intended. Powerful 4K upscaling ensures you get up to 4K resolution for the content you love.¹

MetalStream Design

Inspired by aircraft design, the Metal Stream Design features a luxurious metal body. With no additional bezel required, a single sheet of metal is used to create a slim bezel, enabling a truly immersive experience.

Knox Security

Feel at ease with a multi-layered security solution which helps to shield your data. Even Home IoT devices connected to your Samsung TV are secured. Regular updates further fortify your TV, helping to protect it from harmful attacks.²

Endless Free Content

Enjoy news, sports, movies, entertainment, music, kids' shows and more. With new content continuously added, there's always more to explore!³

¹ Viewing experience may vary according to types of content and format. Upscaling may not apply to PC connection and Game Mode.

² Samsung Knox applies to Samsung TVs powered by Tizen, launched since 2015. Security software update is guaranteed for at least three years from TV product launch. Latest TV software update is required. Evaluated by IT Security and Certification Center, Republic of Korea (Feb 2023, 2024) using the Common Methodology for IT Security Evaluation, Version 3.1 R5 for conformance to the common criteria. Certification No: KECS-CIS5-1291-2024.

³ Channel number counts including Samsung TV Plus and Plex (third-party app) are current as of January 2025. Internet connection and Samsung account required.

Product	Product Category	43"	50"	55"	65"	75"	85"
		LED	LED	LED	LED	LED	LED
Model Number		UA43U8500FWXXY	UA50U8500FWXXY	UA55U8500FWXXY	UA65U8500FWXXY	UA75U8500FWXXY	UA85U8500FWXXY
Display	Screen Size	43"	50"	55"	65"	75"	85"
	Resolution	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)
	Native Refresh Rate	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
	Anti Reflection	N/A	N/A	N/A	N/A	N/A	N/A
Video	Picture Engine	Crystal Processor 4K	Crystal Processor 4K	Crystal Processor 4K	Crystal Processor 4K	Crystal Processor 4K	Crystal Processor 4K
	HDR (High Dynamic Range)	HDR	HDR	HDR	HDR	HDR	HDR
	HDR 10+	Support	Support	Support	Support	Support	Support
	Auto HDR Remastering	N/A	N/A	N/A	N/A	N/A	N/A
	Contrast	Mega Contrast	Mega Contrast	Mega Contrast	Mega Contrast	Mega Contrast	Mega Contrast
	Viewing Angle	N/A	N/A	N/A	N/A	N/A	N/A
	Micro Dimming	UHD Dimming	UHD Dimming	UHD Dimming	UHD Dimming	UHD Dimming	UHD Dimming
	Contrast Enhancer	Yes	Yes	Yes	Yes	Yes	Yes
	Smart Calibration	N/A	N/A	N/A	N/A	N/A	N/A
	Picture Upscale	4K Upscaling	4K Upscaling	4K Upscaling	4K Upscaling	4K Upscaling	4K Upscaling
	AI Motion Enhancer	N/A	N/A	N/A	N/A	N/A	N/A
	Supersize Picture Enhancer	N/A	N/A	N/A	N/A	N/A	N/A
	HDR Brightness Optimiser	N/A	N/A	N/A	N/A	N/A	N/A
	Colour Booster	Yes	Yes	Yes	Yes	Yes	Yes
	Filmmaker Mode	Yes	Yes	Yes	Yes	Yes	Yes
EyeComfort Mode	N/A	N/A	N/A	N/A	N/A	N/A	
Audio	Dolby Atmos	N/A	N/A	N/A	N/A	N/A	N/A
	Object Tracking Sound	OTS Lite	OTS Lite	OTS Lite	OTS Lite	OTS Lite	OTS Lite
	Q-Symphony	Yes	Yes	Yes	Yes	Yes	Yes
	Sound Output (RMS)	20W	20W	20W	20W	20W	20W
	Speaker Type	2CH	2CH	2CH	2CH	2CH	2CH
	Active Voice Amplifier	N/A	N/A	N/A	N/A	N/A	N/A
	AdaptiveSound	Yes	Yes	Yes	Yes	Yes	Yes
	360 Audio	N/A	N/A	N/A	N/A	N/A	N/A

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Smart Service	Operating System	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV
	Bixby	Yes	Yes	Yes	Yes	Yes	Yes
	Far-Field Voice Interaction	N/A	N/A	N/A	N/A	N/A	N/A
	Built-in Voice Assistant	Alexa	Alexa	Alexa	Alexa	Alexa	Alexa
	Works with AI Speaker	Alexa, Google Assistant	Alexa, Google Assistant	Alexa, Google Assistant	Alexa, Google Assistant	Alexa, Google Assistant	Alexa, Google Assistant
	Samsung TV Plus	Yes	Yes	Yes	Yes	Yes	Yes
	Web Browser	Yes	Yes	Yes	Yes	Yes	Yes
	SmartThings Hub / Matter Hub / IoT-Sensor Functionality / Quick Remote	Yes	Yes	Yes	Yes	Yes	Yes
Smart Feature	Multi Device Experience	Mobile to TV, Sound Mirroring, Wireless TV On (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support)	Mobile to TV, Sound Mirroring, Wireless TV On (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support)	Mobile to TV, Sound Mirroring, Wireless TV On (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support)	Mobile to TV, Sound Mirroring, Wireless TV On (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support)	Mobile to TV, Sound Mirroring, Wireless TV On (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support)	Mobile to TV, Sound Mirroring, Wireless TV On (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support)
	Multi-View	N/A	N/A	N/A	N/A	N/A	N/A
	Ambient Mode	N/A	N/A	N/A	N/A	N/A	N/A
	ScreenVitals	N/A	N/A	N/A	N/A	N/A	N/A
	Apple AirPlay 2	Yes	Yes	Yes	Yes	Yes	Yes
	Daily+	Yes	Yes	Yes	Yes	Yes	Yes
	Storage Share	Yes	Yes	Yes	Yes	Yes	Yes
	Generative Wallpaper	N/A	N/A	N/A	N/A	N/A	N/A
Karaoke Mic	N/A	N/A	N/A	N/A	N/A	N/A	
Game Feature	Auto Game Mode (ALLM)	Yes	Yes	Yes	Yes	Yes	Yes
	Game Motion Plus	N/A	N/A	N/A	N/A	N/A	N/A
	VRR	Yes	Yes	Yes	Yes	Yes	Yes
	Dynamic Black EQ	N/A	N/A	N/A	N/A	N/A	N/A
	Surround Sound	N/A	N/A	N/A	N/A	N/A	N/A
	Super Ultra Wide Game View	N/A	N/A	N/A	N/A	N/A	N/A
	MiniMap Zoom	N/A	N/A	N/A	N/A	N/A	N/A
	Hue Sync	N/A	N/A	N/A	N/A	N/A	N/A
	FreeSync	N/A	N/A	N/A	N/A	N/A	N/A
	HGiG	Yes	Yes	Yes	Yes	Yes	Yes
	Gaming Hub	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)
AI Auto Game Mode	N/A	N/A	N/A	N/A	N/A	N/A	

General Information		Model Specifications		Performance Metrics		Connectivity Options		Compliance & Certifications			
Product Name	SKU	Model A	Model B	Model C	Model D	Model E	Model F	Model G	Model H		
Additional Feature	Auto Rotation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	Art Mode	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	Art Store	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	Motion Detection	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	Knox Vault	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	Embedded POP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
	EPG	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
	Extended PVR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	IP Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
	OSD Language	Local Languages		Local Languages		Local Languages		Local Languages		Local Languages	
Accessibility	Voice Guide	Chinese (China),English (Australia),French (France),German (Germany),Italian (Italy),Korean (Korea),Malay (Malaysia),Spanish (Spain)		Chinese (China),English (Australia),French (France),German (Germany),Italian (Italy),Korean (Korea),Malay (Malaysia),Spanish (Spain)		Chinese (China),English (Australia),French (France),German (Germany),Italian (Italy),Korean (Korea),Malay (Malaysia),Spanish (Spain)		Chinese (China),English (Australia),French (France),German (Germany),Italian (Italy),Korean (Korea),Malay (Malaysia),Spanish (Spain)		Chinese (China),English (Australia),French (France),German (Germany),Italian (Italy),Korean (Korea),Malay (Malaysia),Spanish (Spain)	
	Low Vision Support	Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Auto Picture Off		Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Auto Picture Off		Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Auto Picture Off		Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Auto Picture Off		Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Auto Picture Off	
	Hearing Impaired Support	Closed Caption (Subtitle), Multi-output Audio, Sign Language Zoom		Closed Caption (Subtitle), Multi-output Audio, Sign Language Zoom		Closed Caption (Subtitle), Multi-output Audio, Sign Language Zoom		Closed Caption (Subtitle), Multi-output Audio, Sign Language Zoom		Closed Caption (Subtitle), Multi-output Audio, Sign Language Zoom	
	Motor Impaired Support	Slow Button Repeat, Remote Control App. for All		Slow Button Repeat, Remote Control App. for All		Slow Button Repeat, Remote Control App. for All		Slow Button Repeat, Remote Control App. for All		Slow Button Repeat, Remote Control App. for All	
Power & Eco Solution	Power Supply	AC220-240V- 50/60Hz		AC220-240V- 50/60Hz		AC220-240V- 50/60Hz		AC220-240V- 50/60Hz		AC220-240V- 50/60Hz	
	Power Consumption (Max)	110 W		120 W		125 W		170 W		220 W	
	Power Consumption (Stand-by)	0.5 W		0.5 W		0.5 W		0.5 W		0.5 W	
	Power Consumption (Energy Saving Mode)	N/A		N/A		N/A		N/A		N/A	
	Power Consumption (Typical)	68.0 W		71.0 W		79.0 W		113.0 W		142.0 W	
	Yearly Power Consumption (EU standard)	251 kWh		262 kWh		291 kWh		416 kWh		499 kWh	
	Eco Sensor	Yes		Yes		Yes		Yes		Yes	
	Auto Power Saving	Yes		Yes		Yes		Yes		Yes	
	Energy Efficiency Class	4		5		5.5		5.5		6	
Auto Power Off	Yes		Yes		Yes		Yes		Yes		
Dimension	Package Size (WxHxD)	1065 x 635 x 118 mm		1228 x 743 x 127 mm		1354 x 810 x 127 mm		1578 x 930 x 142 mm		1820 x 1100 x 164 mm	
	Set Size with Stand (WxHxD)	957.8 x 609 x 157 mm		1110.8 x 695.1 x 199 mm		1224.6 x 759.1 x 199 mm		1444.1 x 882.2 x 222 mm		1668.1 x 1005.9 x 280 mm	
	Set Size without Stand (WxHxD)	957.8 x 558.8 x 76.3 mm		1110.8 x 643.8 x 76.4 mm		1224.6 x 707.8 x 76.6 mm		1444.1 x 831.2 x 76.8 mm		1668.1 x 957.8 x 77 mm	
	Stand (Basic) (WxD)	613 x 157 mm		747 x 199 mm		812.6 x 199 mm		1004.6 x 222 mm		1250 x 280 mm	
	Stand (Minimum) (WxD)	N/A		N/A		N/A		N/A		793 x 280 mm	
	VESA Spec	200 x 200 mm		200 x 200 mm		200 x 200 mm		200 x 200 mm		400 x 300 mm	

		43"	50"	55"	65"	75"	85"
Weight	Package Weight	9.0 kg	12.0 kg	14.4 kg	21 kg	31 kg	40.7 kg
	Set Weight with Stand	6.6 kg	8.6 kg	9.9 kg	14.5 kg	22.8 kg	29.2 kg
	Set Weight without Stand	6.4 kg	8.3 kg	9.6 kg	14.2 kg	22.4 kg	28.7 kg
Accessory	Remote Controller Model	TM2360E	TM2360E	TM2360E	TM2360E	TM2360E	TM2360E
	Slim Fit Wall-mount Support	N/A	N/A	N/A	N/A	N/A	N/A
	Studio Stand Support	N/A	N/A	N/A	N/A	N/A	N/A
	Auto-Rotation Accessory Support	N/A	N/A	N/A	N/A	N/A	N/A
	Full Motion Slim Wall Mount Support (Y22)	Yes	Yes	Yes	Yes	Yes	Yes
	SlimFit Cam Support	Yes	Yes	Yes	Yes	Yes	Yes
	Zigbee / Thread Module	Dongle Support	Dongle Support	Dongle Support	Dongle Support	Dongle Support	Dongle Support
	User Manual	Yes	Yes	Yes	Yes	Yes	Yes
	Power Cable	Yes	Yes	Yes	Yes	Yes	Yes