

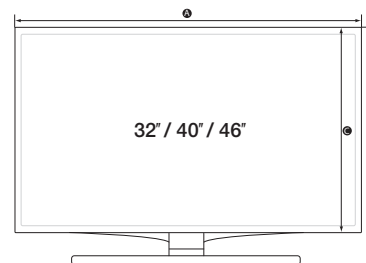
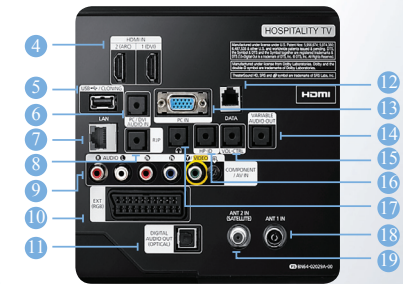
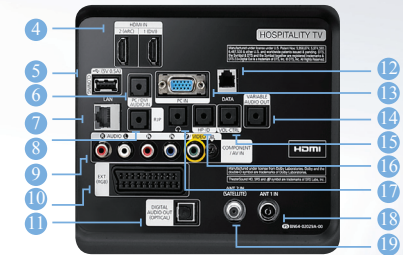
HA590 46" / 40" / 32"



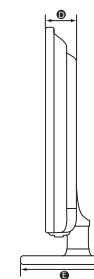
- Kompatybilność z rozwiązaniem Smart Hub / Smart Widget
- Soft AP
- AllShare (DLNA)
- REACH & SIRCH
- Wbudowane Wi-fi
- HBB TV
- DVB-T / C / S2
- Podstawa obrotowa 20°/60°/90°
- Kompatybilność z głośnikami Soundbar
- Pilot wielokodowy

Connectors

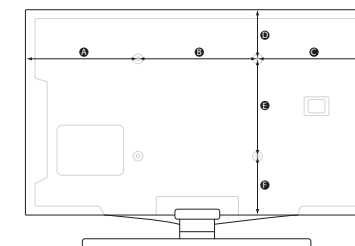
- | | | | |
|----------------------------|----------------------|---------------------------------------|--------------------------|
| 1. CI SLOT | 6. PC/AUDIO IN | 11. DIGITAL AUDIO OUT(OPTICAL) | 16. HEADPHONE ID |
| 2. HDMI IN 3 | 7. RJ45(LAN) | 12. RJ45 | 17. HEADPHONE OUT |
| 3. USB | 8. RJP | 13. PC IN | 18. ANT 1 IN |
| 4. HDMI IN - 2(ARC)/1(DVI) | 9. COMPONENT / AV IN | 14. VARIABLE AUDIO OUT VOLUME CONTROL | 19. ANT 2 IN (SATELLITE) |
| 5. USB | 10. SCART | 15. VOLUME CONTROL | |



A 32"(738.3mm)	B 32"(500.6mm)	C 32"(444.9mm)
40"(927.6mm)	40"(607mm)	40"(551mm)
46"(1,059.8mm)	46"(681.2mm)	46"(625.6mm)



A 32"(269.2mm)	B 32"(200mm)	C 32"(269.2mm)
40"(363.8mm)	40"(200mm)	40"(363.8mm)
46"(329.9mm)	46"(400mm)	46"(329.9mm)



D 32"(93.2mm)	E 32"(191.7mm)	F 32"(128.6mm)
40"(93mm)	40"(227.6mm)	40"(170.9mm)
46"(94.3mm)	46"(227.6mm)	46"(91.5mm)



	Model	HA590	
Video	Screen Size	46" / 40" / 32"	
	HD/FHD	FHD	
	Resolution	1920 x 1080	
	Response Time	46": 8ms / 40": 8ms / 32": 8.5ms	
	Viewing angle (H/V)	46": 178/178 / 40": 178/178 / 32": 176/176	
	Backlight	LED	
	Static Contrast Ratio	5000:1	
	Brightness	46": 300cd/m2 / 40": 300cd/m2 / 32": 350cd/m2	
	Picture Engine	HyperReal Engine	
	Clear Motion Rate	100	
	Wide Color Enhancer Plus	Wide Color Enhancer Plus	
	Film Mode	Yes	
	Audio	Output	10W x 2
Dolby		Dolby Digital Plus / Dolby Pulse	
Surround(SRS)		SRS TheaterSound	
dts 2.0 + Digital Out		Yes	
Speaker Type		Down Firing + Full Range	
Bathroom Speaker Out		4W Mono	
Feature	Samsung SMART TV	Yes	
	Samsung 3D (2D ->3D)	No	
	Allshare(Powered by DLNA)	Yes	
	Soft AP	Yes	
	Wireless LAN Built-in	Yes	
	Digital Noise Filter	Yes	
	Teletext	Yes	
	EPG	Yes	
	HBB TV	Yes	
	ConnectShare™ (USB2.0)	Movie	
	Anynet+ (HDMI-CEC)	Yes	
	Auto Channel Search	Yes	
	Auto Power Off (Auto TV On)	Yes	
	Auto Volume Leveller	Yes	
	Caption(Subtitle)	Yes	
	Clock & On/Off Timer	Yes	
	Game Mode	Yes	
	Picture-In-Picture	1 Tuner PIP	
	Sleep Timer	Yes	
	OSD Language	29 European Languages	
	Input & Output	RF In (Terrestrial/Cable input)	1
		RF In (Satellite input)	1
		RJ12 For External Control	1
		RJ45	1
		HDMI (Side/Rear)	1/2
		USB (Side/Rear)	1/1
		Component In(Y/Pb/Pr) (Side/Rear)	0/1
Composite In(AV) (Side/Rear)		0/1 (Common Use for Component Y)	
Ethernet (LAN)		1	
Headphone		1	
Headphone_ID		1	
Digital Audio Out(Optical)		1	
Variable Audio Out		1	
VOL-CTRL		1	
RJP jack (Remote Jack Pack)		1	
PC In (D-sub)		1	
PC Audio In (Mini Jack)		1	
DVI Audio In (Mini Jack)		1 (Common Use for PC Audio in)	
CI Slot		1	
Scart	1		
Hospitality Feature	Smart Widget Solution	Yes	
	Web Browser	Yes	
	REACH	Yes	

	Model	HA590
	SIRCH Compatibility	Yes
	Hospitality Plug & Play (Easy Setup)	Yes
	RJ12 / IR pass through	Yes
	Music Mode (Input: PC/AV/Component)	Yes
	Music Mode Backlight on/off	Yes
	My Channel	Yes
	Software Clock	No
	Built-in Clock	No
	Built-in Clock Dimming Control	No
	Clock Back Up Supply	No
	TTX Clock Update (Analogue)	No
	Power On Status Setting (Keypad/Master Power off)	Yes
	Jack Pack Compatibility	Yes
	USB Cloning	Yes
	Bathroom Speaker output	Yes
	Hotel Channel List	Yes
	Logo Display with Time out Setting (BMP/Movie)	Yes
	Welcome Message	Yes
	Auto Source mode	Yes
	Energy Saving Mode(BLU control)	Yes
	Multi Code Remote	Yes
	Screwed Remote Battery Cover	Yes
	Alarm Key	Yes
	Mixed channel list(DVB T/C/S2, Analog)	Yes
	Smovie Compatibility	Yes
	Soundbar Compatibility	Yes
	Design	Slim Type
Front Color		Black
Stand Type		Square
Swivel (Left/Right)		20/60/90
Dimension	Weight (Set) With Stand (Kg)	46": 15.4 / 40": 11.9 / 32": 7.9
	Weight (Set) Without Stand (Kg)	46": 12.5 / 40": 9 / 32": 5.9
	Dimensions (WxHxD)mm With Stand	46": 1059.8x681.2x227.6 / 40": 927.6x607.0x227.6 / 32": 738.3x500.6x191.7
VESA	Dimensions (WxHxD)mm Without Stand	46": 1059.8x625.6x94.3 / 40": 927.6x551.0x93.0 / 32": 738.3x444.9x93.2
	Package Dimensions (WxHxD)mm	46": 1237x723x175 / 40": 1104x641x175 / 32": 902x530x167
	Dimensions (mm)	46": 400x400 / 40": 200x200 / 32": 200x200
Accessory	Screw Size	46": M8 / 40": M6 / 32": M6
	Remote Control	TM1050
System	PureCare Remote(Seamless White RC)	No
	Batteries(for Remote Control)	Yes
	RJ 12 Cable	Yes
	Power Cable	Yes
	Installation manual (Quick guide)	Yes
	DTV Reception	DVB-T/C/S2
	Analog Tuner	Yes
Power	CI/CI+	CI+
	MHP/MHEG(version)/ACAP	MHEG 5 (UK, Ireland Only)
	DiSEqC	Yes
	Power Supply	AC220-240V
Eco	Power Consumption (Rated) (Watts)	46": 96W / 40": 87W / 32": 73W
	Power Consumption (Stand-by) (Watts)	under 0.5W
	Power Consumption (Typical) (Watts)	46": 62W / 40": 55W / 32": 39W
	Yearly Power consumption (EU standard) (kWh)	46": 91kWh / 40": 80kWh / 32": 57kWh
	Energy Efficiency Class	46": A+ / 40": A / 32": A
Energy Saving Mode Power Consumption (Watts)	Eco Sensor	Yes
	High	46": 26W / 40": 24W / 32": 20W
	Medium	46": 29W / 40": 26W / 32": 22W
Security	Low	46": 38W / 40": 34W / 32": 27W
	Kensington Lock	Yes

* Zapraszamy do odwiedzenia naszej strony www.samsungtv.com w celu zweryfikowania detali