

2. Product Specifications

2-1. Product Information

2-1-1. Model Comparison

Model	UN**F5000A* / UA**F5000AM / UN**F5200AG		
Front View	* W : Width H : High D : Depth		
Detail View			
Front Color	Black (Panel)		
Dimensions (W x H x D)	32"	Set with Stand	29.1 x 19.9 x 7.5 inches / 738.0 x 505.8 x 191.7 mm
		Set without Stand	29.1 x 17.5 x 1.9 inches / 738.0 x 445.4 x 49.0 mm
	40"	Set with Stand	36.5 x 24.1 x 9.3 inches / 928.2 x 612.2 x 235.0 mm
		Set without Stand	36.5 x 21.7 x 1.9 inches / 928.2 x 552.3 x 49.4 mm
	46"	Set with Stand	41.7 x 27.0 x 9.3 inches / 1059.6 x 686.1 x 235.0 mm
		Set without Stand	41.7 x 24.7 x 1.9 inches / 1059.6 x 626.2 x 49.4 mm
Weight	32"	Set with Stand	12.3 lbs / 5.6 kg
		Set without Stand	11.0 lbs / 5.0 kg
	40"	Set with Stand	20.9 lbs / 9.5 kg
		Set without Stand	17.6 lbs / 8.0 kg
	46"	Set with Stand	27.1 lbs / 12.3 kg
		Set without Stand	23.8 lbs / 10.8 kg
	50"	Set with Stand	32.0 lbs / 14.5 kg
		Set without Stand	28.7 lbs / 13.0 kg
Panel Type	Anti Glare		
Internal Memory	None		
DDR	128 Mbyte		
Feature	Media Play(Movie)		

2. Product specifications

Model	UN32F4000A* / UA**F4000AM / UN32F4200AG		
Front View	 * W : Width H : High D : Depth		
Detail View			
Front Color	Black (Panel)		
Dimensions (W x H x D)	32"	Set with Stand	29.1 x 20.0 x 7.5 inches / 738.0 x 509.1 x 191.7 mm
		Set without Stand	29.1 x 17.2 x 1.9 inches / 738.0 x 435.8 x 49.5 mm
Weight	32"	Set with Stand	12.5 lbs / 5.7 kg
		Set without Stand	11.4 lbs / 5.2 kg
Panel Type	Anti Glare		
Internal Memory	None		
DDR	128 Mbyte		
Feature	Media Play(Movie)		

2-1-2. Feature & Specifications

Model	UN32F5000A* / UA32F5000AM / UN32F5200AG	
Feature		
- Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, Digital Sound Out(Optical) - Brightness : 300 cd/m² - High Contrast Ratio : Mega DCR - Response Time : 6.5 ms - CMR : 120		
Specifications		
Item	Description	
LCD Panel	32 inch FHD 60 Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum Resolution	Horizontal : 1920 Pixels Vertical : 1080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock Rate	74.25 MHz	
Active Display (H x V)* * Horizontal x Vertical	27.5 (H) x 15.5 (V) inches / 698.4 (H) x 392.9 (V) mm	
AC Power Voltage & Frequency	AC 100 V ~ 240 V, 60 Hz	
Power Consumption	75 W (Under 0.3 W, Stand by)	
Dimensions Set (W x H x D)* * Width x High x Depth	Set with Stand	29.1 x 19.9 x 7.5 inches / 738.0 x 505.8 x 191.7 mm
	Set without Stand	29.1 x 17.5 x 1.9 inches / 738.0 x 445.4 x 49.0 mm
Weight	Set with Stand	12.3 lbs / 5.6 kg
	Set without Stand	11.0 lbs / 5.0 kg
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T
	Sound	NTSC-M
Environmental Considerations	Operating Temperature: 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity: 10% ~ 80%, non-condensing Storage Temperature: -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity: 5% ~ 95%, non-condensing	
Audio Specifications	MAX Internal Audio Output Power : Each 10 W(Left/Right) Equalizer : 5 Band Output Frequency : - RF : 20 Hz ~ 15.4 kHz - AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital Plus/Pulse, USB2.0, Film mode, Energy Saving, Eco sensor		

2. Product specifications

Model	UN40F5000A* / UA40F5000AM / UN40F5200AG	
Feature		
- Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, Digital Sound Out(Optical) - Brightness : 300 cd/m² - High Contrast Ratio : Mega DCR - Response Time : 6.5 ms - CMR : 120		
Specifications		
Item	Description	
LCD Panel	40 inch FHD 60 Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum Resolution	Horizontal : 1920 Pixels Vertical : 1080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock Rate	74.25 MHz	
Active Display (H x V)* * Horizontal x Vertical	34.9 (H) x 19.6 (V) inches / 885.6 (H) x 498.2 (V) mm	
AC Power Voltage & Frequency	AC 100 V ~ 240 V, 60 Hz	
Power Consumption	106 W (Under 0.3 W, Stand by)	
Dimensions Set (W x H x D)* * Width x High x Depth	Set with Stand	36.5 x 24.1 x 9.3 inches / 928.2 x 612.2 x 235.0 mm
	Set without Stand	36.5 x 21.7 x 1.9 inches / 928.2 x 552.3 x 49.4 mm
Weight	Set with Stand	20.9 lbs / 9.5 kg
	Set without Stand	17.6 lbs / 8.0 kg
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T
	Sound	NTSC-M
Environmental Considerations	Operating Temperature: 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity: 10% ~ 80%, non-condensing Storage Temperature: -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity: 5% ~ 95%, non-condensing	
Audio Specifications	MAX Internal Audio Output Power : Each 10 W(Left/Right) Equalizer : 5 Band Output Frequency : - RF : 20 Hz ~ 15.4 kHz - AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital Plus/Pulse, USB2.0, Film mode, Energy Saving, Eco sensor		

Model	UN46F5000A* / UA46F5000AM / UN46F5200AG	
Feature		
- Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, Digital Sound Out(Optical) - Brightness : 300 cd/m² - High Contrast Ratio : Mega DCR - Response Time : 6.5 ms - CMR : 120		
Specifications		
Item	Description	
LCD Panel	46 inch FHD 60 Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum Resolution	Horizontal : 1920 Pixels Vertical : 1080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock Rate	74.25 MHz	
Active Display (H x V)* * Horizontal x Vertical	40.1 (H) x 22.5 (V) inches / 1018.1 (H) x 572.7 (V) mm	
AC Power Voltage & Frequency	AC 100 V ~ 240 V, 60 Hz	
Power Consumption	112 W (Under 0.3 W, Stand by)	
Dimensions Set (W x H x D)* * Width x High x Depth	Set with Stand	41.7 x 27.0 x 9.3 inches / 1059.6 x 686.1 x 235.0 mm
	Set without Stand	41.7 x 24.7 x 1.9 inches / 1059.6 x 626.2 x 49.4 mm
Weight	Set with Stand	27.1 lbs / 12.3 kg
	Set without Stand	23.8 lbs / 10.8 kg
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T
	Sound	NTSC-M
Environmental Considerations	Operating Temperature: 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity: 10% ~ 80%, non-condensing Storage Temperature: -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity: 5% ~ 95%, non-condensing	
Audio Specifications	MAX Internal Audio Output Power : Each 10 W(Left/Right) Equalizer : 5 Band Output Frequency : - RF : 20 Hz ~ 15.4 kHz - AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital Plus/Pulse, USB2.0, Film mode, Energy Saving, Eco sensor		

2. Product specifications

Model	UN50F5000A* / UA50F5000AM / UN50F5200AG	
Feature		
- Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, Digital Sound Out(Optical) - Brightness : 300 cd/m² - High Contrast Ratio : Mega - Response Time : 6.5 ms - CMR : 120		
Specifications		
Item	Description	
LCD Panel	50 inch FHD 60 Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum Resolution	Horizontal : 1920 Pixels Vertical : 1080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock Rate	74.25 MHz	
Active Display (H x V)* * Horizontal x Vertical	40.3 (H) x 22.7 (V) inches / 1023.0 (H) x 577.6 (V) mm	
AC Power Voltage & Frequency	AC 100 V ~ 240 V, 60 Hz	
Power Consumption	134 W (Under 0.3 W, Stand by)	
Dimensions Set (W x H x D)* * Width x High x Depth	Set with Stand	44.7 x 28.7 x 9.3 inches / 1135.4 x 727.9 x 235.0 mm
	Set without Stand	44.7 x 26.3 x 2.0 inches / 1135.4 x 668.0 x 49.8 mm
Weight	Set with Stand	32.0 lbs / 14.5 kg
	Set without Stand	28.7 lbs / 13.0 kg
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T
	Sound	NTSC-M
Environmental Considerations	Operating Temperature: 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity: 10% ~ 80%, non-condensing Storage Temperature: -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity: 5% ~ 95%, non-condensing	
Audio Specifications	MAX Internal Audio Output Power : Each 10 W(Left/Right) Equalizer : 5 Band Output Frequency : - RF : 20 Hz ~ 15.4 kHz - AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital Plus/Pulse, USB2.0, Film mode, Energy Saving, Eco sensor		

Model	UN32F4000A* / UA32F4000AM / UN32F4200AG	
Feature		
- Digital-TV, RF, 2-HDMI, 1-Component, 1-A/V, 1-USB2.0, Digital Sound Out(Optical) - Brightness : 250 cd/m² - High Contrast Ratio : Mega - Response Time : 6.5 ms - CMR : 120		
Specifications		
Item	Description	
LCD Panel	32 inch HD 60 Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum Resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock Rate	74.25 MHz	
Active Display (H x V)* * Horizontal x Vertical	27.5 (H) x 15.5 (V) inches / 698.4 (H) x 392.9 (V) mm	
AC Power Voltage & Frequency	AC 100 V ~ 240 V, 60 Hz	
Power Consumption	58 W (Under 0.3 W, Stand by)	
Dimensions Set (W x H x D)* * Width x High x Depth	Set with Stand	29.1 x 20.0 x 7.5 inches / 737.9 x 509.1 x 191.7 mm
	Set without Stand	29.1 x 17.2 x 1.9 inches / 737.9 x 435.8 x 49.5 mm
Weight	Set with Stand	12.5 lbs / 5.7 kg
	Set without Stand	11.4 lbs / 5.2 kg
TV System	Tunning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T
	Sound	NTSC-M
Environmental Considerations	Operating Temperature: 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity: 10% ~ 80%, non-condensing Storage Temperature: -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity: 5% ~ 95%, non-condensing	
Audio Specifications	MAX Internal Audio Output Power : Each 10 W(Left/Right) Equalizer : 5 Band Output Frequency : - RF : 20 Hz ~ 15.4 kHz - AV/Componet/HDMI : 20 Hz ~ 20 kHz	
Note: Dolby Digital Plus/Pulse, USB2.0, Film mode, Energy Saving		

2-1-3. Specification Comparison to Old Models

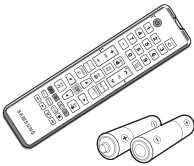
Model	UF5F(UN**F5000A*) / (UA**F5000AM)/ (UN**F5200AG)		UE5L(UN**EH5000G)	
Design				
Display Type	LED TV		LED TV	
Built-in Tuner	O		O	
Resolution	1920 x 1080		1920 x 1080	
LCD Panel	TFT LCD Panel 60 Hz		TFT LCD Panel 60 Hz	
Screen Size	32" / 40" / 46" / 50"		32" / 40" / 46"	
Picture ratio	16 : 9		16 : 9	
Power Consumption	32"	Under 75 W (under 0.3 W, Standby)	32"	Under 39 W (under 0.3 W, Standby)
	40"	Under 106 W (under 0.3 W, Standby)	40"	Under 55 W (under 0.3 W, Standby)
	46"	Under 112 W (under 0.3 W, Standby)	46"	Under 62 W (under 0.3 W, Standby)
	50"	Under 134 W (under 0.3 W, Standby)		
Dimensions (W x H x D)	32"	29.1 x 19.9 x 7.5 inches_with stand	32"	29.1 x 19.6 x 7.5 inches_with stand
		29.1 x 17.5 x 1.9 inches_without stand		29.1 x 17.5 x 3.7 inches_without stand
	40"	36.5 x 24.1 x 9.3 inches_with stand	40"	36.5 x 19.6 x 7.5 inches_with stand
		36.5 x 21.7 x 1.9 inches_without stand		36.5 x 17.5 x 3.7 inches_without stand
	46"	41.7 x 27.0 x 9.3 inches_with stand	46"	41.7 x 26.8 x 9.0 inches_with stand
		41.7 x 24.7 x 1.9 inches_without stand		41.7 x 24.6 x 3.7 inches_without stand
	50"	44.7 x 28.7 x 9.3 inches_with stand		
		44.7 x 26.3 x 2.0 inches_without stand		
Weight	32"	12.3 lbs_with stand	32"	14.11 lbs_with stand
		11.0 lbs_without stand		12.57 lbs_without stand
	40"	20.9 lbs_with stand	40"	24.25 lbs_with stand
		17.6 lbs_without stand		19.84 lbs_without stand
	46"	27.1 lbs_with stand	46"	30.86 lbs_with stand
		23.8 lbs_without stand		26.46 lbs_without stand
	50"	32.0 lbs_with stand		
		28.7 lbs_without stand		
Brightness	32"	300 cd/m ²	32"	300 cd/m ²
	40"	300 cd/m ²	40"	300 cd/m ²
	46"	300 cd/m ²	46"	330 cd/m ²
	50"	300 cd/m ²		

Model	UF5F(UN**F5000A*) / (UA**F5000AM)/ (UN**F5200AG)	UE5L(UN**EH5000G)
Contrast Ratio	MEGA	MEGA
Picture Enhancer	HyperReal Engine (NT13)	HyperReal Engine (X9)
Wide Color Enhance Plus	Wide Color Enhance Plus	Wide Color Enhance Plus
Equalizer	5 Band	5 Band
Auto Volume Control	O	O
Surround Sound	Dolby Digital Plus/Pulse	Dolby Digital Plus/Pulse
Speaker Output	10 W x 10 W	10 W x 10 W
PIP	O	O
Function	Jog function	Jog function
Caption	O	O
Game Mode	X	O
Energy Saving	O	O
Network	X	X
Anynet+	X	X
Antenna	2(Cable/Air)	1(Cable/Air)

2. Product specifications

Model	UF4B(UN32F4000A*) / (UA32F4000AM) / (UN32F4200AG)		UE4J(UN**EH4000G)	
Design				
Display Type	LED TV		LED TV	
Built-in Tuner	O		O	
Resolution	1366 x 768		1366 x 768	
LCD Panel	TFT LCD Panel 60 Hz		TFT LCD Panel 60 Hz	
Screen Size	32"		26" / 32"	
Picture ratio	16 : 9		16 : 9	
Power Consumption	32"	58 W (Under 1 W, Standby)	26"	28 W (Under 1 W, Standby)
			32"	35 W (Under 1 W, Standby)
Dimensions (W x H x V)	32"	29.1 x 20.0 x 7.5 inches_with stand	26"	24.2 x 16.5 x 7.1 inches_with stand
		29.1 x 17.2 x 1.9 inches_without Stand		24.2 x 14.4 x 3.7 inches_without Stand
			32"	29.1 x 19.4 x 7.5 inches_with stand
				29.1 x 17.2 x 3.7 inches_without Stand
Weight	32"	12.5 lbs_with Stand	26"	9.92 lbs_with Stand
		11.4 lbs_without Stand		8.82 lbs_without Stand
			32"	13.89 lbs_with Stand
				12.57 lbs_without Stand
Contrast Ratio	MEGA		MEGA	
Picture Enhancer	HyperReal Engine (NT13)		HyperReal Engine (X9)	
Wide Color Enhance Plus	Wide Color Enhance Plus		Wide Color Enhance Plus	
Equalizer	5 Band		5 Band	
Auto Volume Control	O		O	
Surround Sound	Dolby Digital Plus/Pulse		Dolby Digital Plus/Pulse	
Speaker Output	32"	10 W x 10 W	26"	5 W x 5 W
			32"	10 W x 10 W
PIP	O		O	
Function	Jog function		Jog function	
Caption	O		O	
Game Mode	X		O	
Energy Saving	O		O	
Network	X		X	
Anynet+	X		X	
Antenna	2(Cable/Air)		2(Cable/Air)	

2-2. Accessories

Product	Description	Code. No	Remark
	Remote Control Batteries (AAA x 2)	BRAZIL : AA59-00718A LATIN AMERICA : AA59-00720A TAIWAN : AA59-00753A	Samsung Electronics Service center
	Power Cord	BRAZIL : 3903-000851 COLOMBIA, TAIWAN : 3903-000852 PERU : 3903-000852 PANAMA : 3903-000853	
	Owners Manual	BRAZIL : BN68-04790C COLOMBIA : BN68-04790B TAIWAN : BN68-04790E PERU : BN68-04790B PANAMA : BN68-04790C	