

Technical characteristics

Display	Type	Plasma (Samsung panel)
	Size	42" (105 cm)
	Display area	920.16 mm (H) x 518 mm (V)
	Viewing angle	Hor.>160° (typ.)/Ver.>160° (typ.)
	Aspect ratio (screen width/height ratio)	16 : 9
	Resolution	852 x 480 pixels
	Pixel size	1.08 mm (H) x 1.08 mm (V)
	Luminance (peak)-module	500 cd / sq. m
	Contrast ratio (dark room)	550 : 1
	Display colors	16.77 M
Systems & signals	TV broadcasts and video playback systems	PAL/SECAM B/G, D/K, I
	Video signal systems	PAL, SECAM, NTSC - 3.58MHz/ 4.43MHz
	VGA input signal	All kinds of format (XGA, VGA, SVGA, SXGA)
	Automatic AV source scanning function	Yes (the function can be switched on/off through menu of the TV)
Channels & frequencies	Channels memory	200
	Channels (tuners frequencies)	VHF(L): 46.25-168.25MHz; VHF(H): 175.25-463.25MHz; UHF: 471.25-863.25MHz
	Channels (CATV)	Mid band: X- Z, S1- S10; Super band: S11- S20; Hyper band: S21- S41
	Channels tuning	Automatic & manual (in both directions)
	Automatic frequency tuning (AFT) of channels	Yes (the function can be switched on/off through menu of the TV)
	Channels indication	Screen display
	Direct program choice	Yes
	"Recall" function (switching between last and current programs)	Yes
OSD	English/Russian/etc OSD	Yes
	Vertical/horizontal OSD menu position adjustment	Yes
	OSD menu display time adjustment	Yes (time durations - 5...30 sec.)
	OSD menu background color adjustment	Yes (opaque or translucent)
	On-touch call of system basic information	Yes (special button on Remote Control is present)
	Graphic interface	Yes
Picture	Progressive scanning	Yes
	Digital system of processing video signal (Digital ProPicture)	Yes
	Digital comb filter	Yes
	On-touch color/brightness/contrast parameters adjustment	Yes (special button on Remote Control is present)
	Advanced video signal noise reduction scheme adjustment	Yes (the scheme provides 3-level noise reduction and can be switched on/off through menu of the TV)
	Resolution adjustment	Yes
	Gamma adjustment	Yes
	Color temperature adjustment	Yes (3 preset modes and 1 user's mode)
	On-touch vertical/horizontal picture position adjustment	Yes (special button on Remote Control is present)
	On-touch vertical/horizontal picture size adjustment	Yes (special button on Remote Control is present)
	On-touch "Fill All"/"Fill Aspect" picture display adjustment	Yes (special button on Remote Control is present)
	Picture zoom adjustment	Yes
	On-touch picture image frame pause	Yes (special button on Remote Control is present)
	Automatic noise reduction and blue/red/green/black background in the case of none TV signal	Yes (the color can be chosen through menu of the TV)
	Display image phase & sampling frequencies adjustment (monitors status)	Yes

Sound	Speaker system	Built-in 2 speakers
	Sound output	2 x 10W, RMS (Distortion factor – 10%)
	On-touch volume/bass/treble/balance parameters adjustment	Yes (special button on Remote Control is present)
	On-touch mute function	Yes (special button on Remote Control is present)
Automatic switching on/off	Automatic turning the TV into "stand by" mode in 20 min after finishing the TV program translation	Yes (the function can be switched on/off through menu of the TV)
	Sleep timer (for setting time duration, at the end of which the TV automatically turns into "stand by" mode)	Yes (automatic switching off in 0...120 min. The function can be also switched on/off by using special button on Remote Control)
Power characteristics	Power supply	AC 90V-240V, 50-60 Hz
	Power consumption	350 W (max); 3 W (standby)
Inputs & Outputs	Radio frequency (RF) antenna input	Yes (for connecting coaxial cable for transferring TV signal)
	..... RF antenna input resistance	..... 75 Ohms (un-balanced)
	AV IN/OUT	Yes (for connecting 2 Audio RCA + 1 Video RCA cable)
	..... Video input voltage	..... 1 Vp-p +/- 3 db
	..... Video input resistance	..... 75 Ohms
	Audio L/R (RCA PIN JACK)	
	..... Audio input voltage	..... 0,2-2,0 Vrms
	..... Audio input resistance	..... •10 kOhms
	S-Video (MINI DIN 4 PIN)	Yes
	..... S-Video input voltage Y	..... 1 Vp-p +/- 3 db
	..... S-Video input voltage C	..... 0,3 Vp-p +/- 3 db
	..... S-Video input resistance	..... 75 Ohms
	Audio L/R (RCA PIN JACK)	Yes
	..... Audio input voltage	..... 0,2-2,0 Vrms
	..... Audio input resistance	..... •10 kOhms
	Component Video (Y _{C_R} C _B)	Yes
..... Y _{C_R} C _B input voltage	..... 0,7 Vp-p +/- 3 db	
..... Y _{C_R} C _B input resistance	..... 75 Ohms	
Audio L/R (RCA PIN JACK)	Yes	
..... Audio input voltage	..... 0,2-2,0 Vrms	
..... Audio input resistance	..... •10 kOhms	
RGB (D-SUB 15 PIN)	Yes (for connecting PC to the TV)	
..... RGB input voltage	..... 0,7 Vp-p +/- 3 db	
..... RGB input resistance	..... 75 Ohms	
Audio L/R (RCA PIN JACK)	Yes	
..... Audio input voltage	..... 0,2-2,0 Vrms	
..... Audio input resistance	..... •10 kOhms	
Dimensions & Weight	Width / Depth / Height	140 cm / 42 cm / 90 cm
	Weight	~50 kg
Operation conditions	Working temperature	5-35°C
	Working humidity	45-90%
	Working air pressure	86-106 Kpa
Accessories	Remote control with 2 AAA batteries	1 pc
	VGA connecting cable (for connecting PC to the TV)	1 pc
	PC audio cable (for connecting & transferring audio from PC to TV)	1 pc
	Composite video connecting cable (2 Audio RCA & 1 Video RCA)	1 pc
	Screws & hangers (for wall mount)	1 pc
	Table stand	1 pc
	User's Manual with Warranty card	1 pc