

Q97 Range

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PDP TV



Sizes available: 42"/50"

Model Codes: PS42Q97HDX, PS50Q97HDX

Main Features



The glass construction of a Plasma panel means that reflection can cause problems in certain environments, thus reducing both image brightness and contrast levels. Filterbright uses complimentary coloured coatings on the screen and an additional super black filter to improve light emission from within a Plasma TV, whilst reducing reflection from outside light sources (such as sunlight or lamps). Ultra Filterbright reduces reflection still further with the addition of an optical film to the glass filters. The film absorbs even more external light whilst still transmitting all the colour and beauty of the on screen image. As a result viewers can enjoy extremely clear & crisp images in any lighting conditions.



Original films are shot at 24, 25, or 30 frames per second, however PAL TVs can display 50 frames per second and need to increase the number of frames to equal what they can display. To do this, Conventional TVs duplicate frames, however, causes a distinct juddering effect called Motion Judder. With Samsung Movie Plus, it is eliminated by calculating the motion factor of an incoming video signal and interpolating an appropriate new frame. In simple terms, unlike conventional TVs, it does not increase the number of frames by simply repeating them. It increases the number of frames by intelligently estimating the position of the moving object and creating additional new frames based on that estimate. This results in smoother motion and makes fast moving action appear more natural.



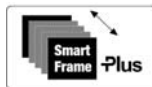
Three High Definition Multimedia Interface (HDMI) connections make your TV a multimedia centre piece. Connect HD digital devices like disc players, game consoles, satellite dish boxes into the 2 rear connections and use the side-mounted input for cameras, camcorders and laptops. HDMI is the best performing interface for displaying a HD source on a HDTV.



In fast moving scenes, noise or contour lines can occur on curved lines, such as human faces, because the toning of bright and dark parts of the gradient cannot be processed correctly. To solve this problem, Silhouette Editor estimates the movement and detects the contours, so that it can adjust the facial tone by multi-toning the bright and dark parts on the curve.



Samsung's new Flat Panel TVs offer you a clearer, more dramatic picture than you've ever experienced. The Dynamic Contrast Ratio of Samsung's Flat Panel TVs is controlled by a variable light behind the panel helping to produce whiter whites and blacker blacks, so you enjoy a crisper image with greater detail.



In the standard 50Hz PAL system, broadcasted TV shows cannot avoid flickering when displayed on TV. To solve this problem, most TV companies use the method of showing the same image twice, making pseudo-100Hz. However, there are still not enough frames for the eye to see a continuous image. As a result, the viewer sees jerky or blurry images on a PDP TV, especially for fast moving images or captions. Samsung's solution to this problem is Smart Frame Plus, which adds 25 extra frames per second from its original source. With this unique technology, moving pictures appear more comfortable and clear, with smoother movement in action scenes. Even the scrolling characters on news broadcasts or programme credits are easier to read.

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Basic Info	Model Code	PS42Q97HDX	PS50Q97HDX	
Video	Screen Size (inches)	42"	50"	
	Resolution (Number of Pixels)	1024 x 768	1365 x 768	
	Brightness	1500cd/m2	1300cd/m2	
	Integrated Digital TV	Yes	Yes	
	FilterBright	Ultra FilterBright	Ultra FilterBright	
	Contrast Ratio	15000:1	15000:1	
	Real Motion Studio	Yes (Smart Frame Plus, Silhouette Editor)	Yes (Smart Frame Plus, Silhouette Editor)	
	Screen Aspect Ratio (16:9/4:3)	16:9	16:9	
	Viewing Angle	over 175o (H/V)	over 175o (H/V)	
	DNle	Yes	Yes	
	Number of colours (expressed)	18bit	18bit	
	Grey Level (Gradation)	262,144	262,144	
	Movie Plus	Yes	Yes	
	Digital Comb Filter	3D Comb Filter	3D Comb Filter	
	Digital Noise Reduction	Yes	Yes	
	Low Noise Amplifier	No	No	
	Audio	Sound Effect System	SRS TruSurround XT	SRS TruSurround XT
		Speaker	Full Range	2.2CH (2 Way)
	Feature	Sound output (RMS)	10W x 2	15W x 2
		Anti Burn-in Technology	Yes (APS, All white, Signal pattern)	Yes (APS, All white, Signal pattern)
Power Saving		Yes (Off/High/Middle/Low)	Yes (Off/High/Middle/Low)	
Picture-In-Picture		Yes (1 tuner)	Yes (1 tuner)	
Clock & On/Off Timer		Yes	Yes	
Sleep Timer		Yes (Max 180 Min)	Yes (Max 180 Min)	
Teletext (TTXT)		Level 2.5	Level 2.5	
Caption		No	No	
V-Chip		No	No	
Blue Screen On/Off		Yes	Yes	
Melody On-Off		Yes	Yes	
Plug & Play		Yes	Yes	
Absent Power Off		Yes	Yes	
Auto Power Off		Yes (15 Min after No Signal)	Yes (15 Min after No Signal)	
OSD language		21	21	
Favourite Channel List		No	No	
Still Picture		Yes	Yes	
Game mode		Yes	Yes	
Input & Output (Side)		Composite (AV)	1	1
		Y/C (S-Video)	1	1
	Headphone (Earphone)	1	1	
	WISELINK (Multi Memory Slot)	No	No	
	WISELINK (USB)	No	No	
	(HDMI)	1	1	
	PictBridge	No	No	
	Input & Output (Rear)	RF input	1	1
		RF output	No	No
		Composite (AV)	No	No
S-Video		No	No	
Component (Y/Pb/Pr)		1	1	
Euro Scart		2	2	
PC input (D-sub)		1	1	
HDMI (Anynet+)		2 (Yes)	2 (Yes)	
HDMI Version (1.2 / 1.3)		1.2	1.2	
Motorised Mount Control		Yes	Yes	
Video Monitor Out	No	No		
Audio Monitor Out	1	1		
Digital Audio (Coaxial)	No	No		
Digital Audio (Optical)	No	No		
Power	Power Supply	220~240V (50/60Hz)	220~240V (50/60Hz)	
	Operation Power Consumption	380W	460W	
	Stand-By Power Consumption	Under 1W	Under 1W	
	Energy Star	Yes	Yes	
Panel Life Time	Panel Life Time	60,000 hrs	60,000 hrs	
Dimension (mm)	Set Size (WxDxH) with stand	1055 x 316 x 759	1231 x 316 x 849	
	Set Size (WxDxH) without stand	1055 x 104 x 700	1231 x 104 x 789	
	Package	1155 x 416 x 878	1360 x 436 x 984	
Weight (Kg)	Set weight with stand	33	44	
	Set weight without stand	30.6	41.6	
	Package	40	52	
Accessory	Wall Mount	Yes	Yes	
	VESA	600 x 400	601 x 400	
	Swivel	Yes	Yes	
	Remote Control	TM87C	TM87C	
	RF Cable	No	No	
	User Manual	Yes	Yes	
	Battery	2EA (AAA)	2EA (AAA)	
	Power Cable	Yes	Yes	
	Stand	Yes	Yes	
	Speaker	Integrated	Integrated	