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# plasmavision



## AVM II

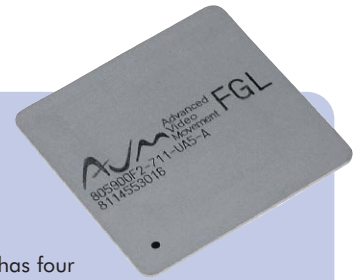
From the world's first production colour plasma screen in 1993 to its latest home cinema offerings, Fujitsu's plasma division has been driven by one defining purpose - the pursuit of visual excellence. To help them achieve this goal, Fujitsu has developed a number of key technologies, the most important of these is its AVM processor.

The original AVM Video Processor was developed in 2001 and was the first single chip, fully digital video processor for plasma displays. AVM offered plasma buyers the precision image scaling only found in dedicated, high-end video scalars. So much so, that in 2002, a display equipped with AVM was the first plasma to win an Emmy® award from the National Academy of Television Art and Sciences.

2005 saw the introduction of the AVM II (Advanced Video Movement II) video processor, the result of fifteen years' continuous development of video processing technologies and the secret formula behind the performance of its brand new 50 series collection. For 2006, AVM II has been upgraded and Fujitsu's next generation imaging engine is perfect for high-definition TV and is a key factor in the incredibly fine detail that Fujitsu plasmas bring to HD formats.

The AVM II processor found in all 50 series screens includes a number of features that helps set Fujitsu's picture quality apart:-

- **Power** - The AVM II processor has four times the processing power of most other plasmas available
- **Pixel by pixel processing and scaling** - this approach delivers the best picture available across all high-definition and standard-definition formats by retaining fine detail
- **Detail reconstruction when de-interlacing** - a multi-direction diagonal filter that reconstructs some of the lost data at the edges of moving objects, filtering out any "jaggies"
- **Motion correction** - the processor looks ahead a number of frames to better track moving images and ensure smooth movement across the screen



**HD ready**



## Fujitsu's 50 Series Collection

### The Best Just keeps getting better - Fujitsu's New Custom Install Panels

Designed specifically for professional home cinema installations and working on the achievements set down by Fujitsu's previous 40 series custom install plasmas, the P50XHA58 and P42XHA58 are Fujitsu's newest, HD-Ready Plasmavision panels. Featuring a new sleek, piano-black bezel, two HDMI connections, upgraded AVM II processor and improved brightness and contrast capabilities, the new plasmas retain Fujitsu's excellent custom install reputation and are the ideal screens for customers who want to see how good high-definition TV can really look.

The P42XHA58 is also Fujitsu's first true XGA 42inch plasma panel, featuring a 1024 x 768 pixel display that is optimised for 720p high-definition content.



**42"**

### P42XHA58

Available in Piano Black (EB) or Silver (ES)

- Panel:** 1024 x 768 pixel
- Processor:** AVM II
- Connectivity:** 2 x HDMI (HDCP), 2 x Component Video, S-Video, PC VGA, Composite Video and 3 x Stereo Audio inputs
- Warranty:** 3 years
- Tuner:** n/a
- Control:** RS232

**50"**

### P50XHA58

Available in Piano Black (EB) or Silver (ES)

- Panel:** 1366 x 768
- Processor:** AVM II
- Connectivity:** 2 x HDMI (HDCP), 2 x Component Video, S-Video, PC VGA, Composite Video and 3 x Stereo Audio inputs
- Warranty:** 3 years
- Tuner:** n/a
- Control:** RS232

## Fujitsu's 50 Series Collection

### Fujitsu's New All-In-One Models

Part of Fujitsu's 51 series, the P50XTA51ES and P42HTA51ES are all-in-one plasma TVs designed for the home cinema enthusiast, looking for a screen that brings out the best in standard definition feeds while ensuring readiness for HDTV.

The 42inch and 50inch plasmas incorporate Fujitsu's superb AVM II video processing technology and also feature new, enhanced displays offering greatly improved brightness and contrast capabilities. The 42inch P42HTA51ES is already a 5\* What Hi-Fi? winner for its "fine performance whether via analogue or digital video inputs".

#### 42" P42HTA51ES

- Panel:** 1024 x 1024 pixel (ALiS)
- Processor:** AVM-II
- Connectivity:** HDMI (HDCP), 2 x RGB Scart, Component Video, 15-Pin VGA, S-Video (via Scart) & 2 x Stereo Audio
- Warranty:** 2 years
- Tuner:** Analogue
- Control:** n/a

#### 50" P50XTA51ES

- Panel:** 1366 x 768 pixel
- Processor:** AVM-II
- Connectivity:** HDMI (HDCP), 2 x RGB Scart, Component Video, 15-Pin VGA, S-Video (via Scart) & 2 x Stereo Audio
- Warranty:** 2 years
- Tuner:** Analogue
- Control:** n/a

### Media Box Custom Install Plasmas

The P42HTS51ES, P50XTS51ES and P55XTS51ES are Fujitsu's newest custom install panels to feature separate selector boxes. The new 42inch, 50inch and 55inch all feature Fujitsu's renowned AVM II processor and improved brightness and contrast capabilities, enabling the screens to produce breathtaking picture quality. All screens include a separate media box that handles all the connectivity and processing. The media box connects directly to the panel via one cable to increase connectivity and installation choices as well as providing greater flexibility for buyers and installers.

#### 42" P42HTS51ES

- Panel:** 1024 x 1024 pixel (ALiS)
- Processor:** AVM-II
- Connectivity:** HDMI (HDCP), 2 x RGB Scart, Component Video, 15-Pin VGA, S-Video (via Scart) & 2 x Stereo Audio
- Warranty:** 3 years
- Tuner:** Analogue
- Control:** n/a

#### P50XTS51ES

- Panel:** 1366 x 768 pixel
- Processor:** AVM-II
- Connectivity:** HDMI (HDCP), 3 x RGB Scart, Component Video, Composite Video, 2x RGB (D-Sub), 15-Pin VGA, S-Video & 3 x Stereo Audio
- Warranty:** 3 years
- Tuner:** Analogue
- Control:** n/a

50"

### Fujitsu's Ultimate Size Custom Install Plasmas



Building on the success of Fujitsu's highly-acclaimed 40 series 63inch plasma screen, the new P63XHA51ES incorporates new, improved glass across the full range to offer enhanced brightness and contrast capabilities. With Fujitsu's superb AVM II video processing bringing incredible depth to both high-definition, standard video and TV sources, the new giant sized Plasmavision™ displays bring the ultimate home cinema viewing experience into your living room.

#### P63XHA51ES

- Panel:** 1366 x 768 pixel
- Processor:** AVM-II
- Connectivity:** HDMI (HDCP), 2 x RGB Scart, Component Video, 15-Pin VGA, S-Video (via Scart) & 3 x Stereo Audio.
- Warranty:** 3 years
- Tuner:** n/a
- Control:** RS232

63"



#### P55XTS51ES

- Panel:** 1366 x 768 pixel
- Processor:** AVM-II
- Connectivity:** HDMI (HDCP), 3 x RGB Scart, 2 x Component Video, Composite Video, 2x RGB (Sub-D), 15-Pin VGA, S-Video & 3 x Stereo Audio.
- Warranty:** 3 years
- Tuner:** Analogue
- Control:** n/a

55"

Plasmavision

## Specifications

MODEL		P42HTA51ES	P50XTA51ES	P55XTS51ES	P63XHA51ES	P42HTS51ES	P50XTS51ES	P42XHA58ES	P50XHA58ES	
		Integrated tuner	Integrated tuner	Separate Tuner/Connectivity Box type	Monitor type	Separate Tuner/Connectivity Box type	Separate Tuner/Connectivity Box type	Monitor type	Monitor type	
BEZEL COLOUR		SILVER	SILVER	SILVER	SILVER	SILVER	SILVER	PIANO BLACK (EB) or SILVER (ES)	PIANO BLACK (EB) or SILVER (ES)	
DISPLAY PANEL	Screen Size (diagonal)	W 922 X H 522 mm (42")	W 1,106 X H 622 mm (50")	W 1,229 X H 690 mm (55")	W 1,393 X H 783mm (63")	W 922 X H 522 mm (42")	W 1,106 X H 622 mm (50")	W 922 X H 522 mm (42")	W 1,106 X H 622 mm (50")	
	Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9	16:9	16:9	
	Number of Pixels	1,024 (H) X 1,024 (V)	1,366 (H) X 768 (V)	1,366 (H) X 768 (V)	1,366 (H) X 768 (V)	1,024 (H) X 1,024 (V)	1,366 (H) X 768 (V)	1,024 (H) X 768 (V)	1,366 (H) X 768 (V)	
	Displayable Colours	1.07 Billion	1.07 Billion	1.07 Billion	1.07 Billion	1.07 Billion	1.07 Billion	1.07 Billion	1.07 Billion	
DIMENSIONS*	Display	1,039 (W) X 640 (H) X 87 (D) mm	1,216 (W) X 726 (H) X 100 (D) mm	1,380 (W) X 808 (H) X 125 (D) mm	1,504 (W) X 894 (H) X 123 (D) mm	1,039 (W) X 640 (H) X 87 (D) mm	1,216 (W) X 726 (H) X 100 (D) mm	1,039 (W) X 640 (H) X 87 (D) mm	1,216 (W) X 726 (H) X 100 (D) mm	
	AV Selector	-	-	430 (W) X 95 (H) X 350 (D) mm	-	430 (W) X 95 (H) X 350 (D) mm	-	-	-	
WEIGHT	Display	31.5kgs	45kgs	55kgs	72kgs	31.5kgs	45kgs	34kgs	45kgs	
	AV Selector	-	-	5kgs	-	5kgs	5kgs	-	-	
POWER SOURCE		110-240V AC 50/60Hz	110-240V AC 50/60Hz	110-240V AC 50/60Hz	110-240V AC 50/60Hz	110-240V AC 50/60Hz	110-240V AC 50/60Hz	110-240V AC 50/60Hz	110-240V AC 50/60Hz	
POWER CONSUMPTION	Display	4.0-1.5A (Standby 0.6 W)	4.9-2.0A (Standby 0.6 W)	5.4-2.1A (Standby 0.6 W)	6.3-2.0A (Standby 0.6 W)	4.0-1.5A (Standby 0.6 W)	4.9-2.0A (Standby 0.6 W)	4.2-1.5A (Standby 0.6 W)	4.85-1.95A (Standby 0.6 W)	
	AV Selector	-	-	0.45-0.27A	-	0.45-0.27A	0.45-0.27A	-	-	
CORRESPONDING SIGNALS	RGB Mode	VGA, WVGA, SVGA, XGA, WXGA, SXGA	VGA, WVGA, SVGA, XGA, WXGA, SXGA	VGA, WVGA, SVGA, XGA, WXGA, SXGA	VGA, WVGA, SVGA, XGA, WXGA, SXGA	VGA, WVGA, SVGA, XGA, WXGA, SXGA	VGA, WVGA, SVGA, XGA, WXGA, SXGA	VGA, WVGA, SVGA, XGA, WXGA, UXGA	VGA, WVGA, SVGA, XGA, WXGA, UXGA	
	HDMI Mode	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	
	Comp. Video Mode	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	480i, 576i, 480p, 576p, 720p, 1080i	
	Video Mode	NTSC, PAL, SECAM, PAL60, N-PAL, M-PAL, 4.43NTSC	NTSC, PAL, SECAM, PAL60, N-PAL, M-PAL, 4.43NTSC	NTSC, PAL, SECAM, PAL60, N-PAL, M-PAL, 4.43NTSC	NTSC, PAL, SECAM, PAL60, N-PAL, M-PAL, 4.43NTSC	NTSC, PAL, SECAM, PAL60, N-PAL, M-PAL, 4.43NTSC	NTSC, PAL, SECAM, PAL60, N-PAL, M-PAL, 4.43NTSC	NTSC, PAL, SECAM, PAL60, N-PAL, M-PAL, 4.43NTSC	NTSC, PAL, SECAM, PAL60, N-PAL, M-PAL, 4.43NTSC	NTSC, PAL, SECAM, PAL60, N-PAL, M-PAL, 4.43NTSC
	TV Mode	PAL, SECAM	PAL, SECAM	PAL, SECAM	-	PAL, SECAM	PAL, SECAM	-	-	
CONTROL		-	-	-	Dsub 9PIN (2ROW TYPE: MALE)	-	-	Dsub 9PIN (2ROW TYPE: MALE) RS-232C	Dsub 9PIN (2ROW TYPE: MALE) RS-232C	
OPERATING CONDITIONS	Temperature	0°C-40°C	0°C-40°C	0°C-40°C	0°C-40°C	0°C-40°C	0°C-40°C	0°C-40°C	0°C-40°C	
	Relative Humidity	20-80% (NOT CONDENSING)	20-80% (NOT CONDENSING)	20-80% (NOT CONDENSING)	20-80% (NOT CONDENSING)	20-80% (NOT CONDENSING)	20-80% (NOT CONDENSING)	20-80% (NOT CONDENSING)	20-80% (NOT CONDENSING)	
REGULATIONS	Safety	Display	UL6500, C-UL, EN60065, IEC60065	UL6500, C-UL, EN60065, IEC60065	UL6500, C-UL, EN60065, IEC60065	UL6500, C-UL, EN60065, IEC60065	UL6500, C-UL, EN60065, IEC60065	UL6500, C-UL, EN60065, IEC60065	EN60065, IEC60065	
		AV Selector	-	-	UL6500, C-UL, EN60065, IEC60065	-	UL6500, C-UL, EN60065, IEC60065	UL6500, C-UL, EN60065, IEC60065	-	
	EMC	Display	FCC Part 15 Class B, ICES-003 Class B, EN55022 Class B, EN61000-3-2, EN61000-3-3, EN55024, AS/NZS 3548	FCC Part 15 Class B, ICES-003 Class B, EN55022 Class B, EN61000-3-2, EN61000-3-3, EN55024, AS/NZS 3548	FCC Part 15 Class B, ICES-003 Class B, EN55022 Class B, EN61000-3-2, EN61000-3-3, EN55024, AS/NZS 3548	FCC Part 15 Class B, ICES-003 Class B, EN55022 Class B, EN61000-3-2, EN61000-3-3, EN55024, AS/NZS 3548	FCC Part 15 Class B, ICES-003 Class B, EN55022 Class B, EN61000-3-2, EN61000-3-3, EN55024, AS/NZS 3548	FCC Part 15 Class B, ICES-003 Class B, EN55022 Class B, EN61000-3-2, EN61000-3-3, EN55024, AS/NZS 3548	FCC Part 15 Class B, ICES-003 Class B, EN55022 Class B, EN61000-3-2, EN61000-3-3, EN55024, AS/NZS 3548	FCC Part 15 Class B, ICES-003 Class B, EN55022 Class B, EN61000-3-2, EN61000-3-3, EN55024, AS/NZS 3548
		AV Selector	-	-	UL6500, C-UL, EN60065, IEC60065	-	UL6500, C-UL, EN60065, IEC60065	UL6500, C-UL, EN60065, IEC60065	-	-

Warnings and Precautions • Showing the same image for long periods of time may result in images permanently burned into the screen • Plasma displays are manufactured using extremely precise technology. There may, however, be cases in which fewer than 0.01% of screen pixels remain dark or permanently lighted (99.9% or more pixels will be unaffected) • Problems may occur when using infrared devices such as cordless, infrared headphones • When these displays are used for commercial purposes or public displays, the use of windowing and image shrinking or enlargement may be a violation of copyright, care should be taken not to violate relevant copyright regulations • Plasma displays are equipped with a variety of imaging modes. When display dimensions differ from those required by TV programmes or video software, the image you see may be different from the original. In these cases, switch to the appropriate mode • Plasma displays are made of glass, care should be taken to avoid impacts that will break them • When using the optional desktop stand, use the supplied screws to secure the display in place • When you purchase a display, check to ensure that the warranty is properly filled in, then keep it in a safe place • Please note that the product colours displayed in this catalogue may differ slightly from the originals • The manufacturing serial number is vital to ensuring product safety. When you purchase a display, please ensure that the serial number is clearly visible on the display itself • Display images shown in this catalogue may be superimposed • Plasmavision™ and Living Theatre™ are registered trademarks

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