

SONY



**V SERIES LCD TV**  
(Available in 46", 40" & 32")

**PICTURE**

- BRAVIA Engine 2
- Improved Advanced Contrast Enhancer
- Intelligent Picture
- Full HD 1080\*

**SOUND**

- New S-Force Front Surround
- Voice Zoom

**CONNECTIVITY**

- HDMI x 3
- DM Port x 1

**FEATURES**

- BRAVIA Sync
- 24p True Cinema
- Theatre Mode
- PIP & PAP
- 1080p Signal Capable

\* Applicable to selected models.  
Refer to Specifications for more details.



**Specifications**

MODEL	KLV-46V400A	KLV-40V400A	KLV-32V400A
LCD Screen Size	46" (16:9)	40" (16:9)	32" (16:9)
TV System	M, B/G, D/K, I	M, B/G, D/K, I	M, B/G, D/K, I
Colour System	NSTC 3.58, PAL, SECAM, NTSC 4.43 (AV In), PAL 60 (AV In)	NSTC 3.58, PAL, SECAM, NTSC 4.43 (AV In), PAL 60 (AV In)	NSTC 3.58, PAL, SECAM, NTSC 4.43 (AV In), PAL 60 (AV In)
Video Signal	480i, 576i, 480p, 576p, 1080i, 720p, 1080p	480i, 576i, 480p, 576p, 1080i, 720p, 1080p	480i, 576i, 480p, 576p, 1080i, 720p, 1080p
<b>PICTURE</b>			
Display Resolution	1920 x 1080	1920 x 1080	1366 x 768
Video Processing	BRAVIA ENGINE 2	BRAVIA ENGINE 2	BRAVIA ENGINE 2
Panel Bit	8	8	8
Backlight Module	CCFL	CCFL	CCFL
Advanced Contrast Enhancer (ACE)	Yes	Yes	Yes
Theatre Mode	Yes	Yes	Yes
24P True Cinema	Yes	Yes	Yes
MPEG Noise Reduction	Yes	Yes	Yes
Dynamic Contrast (VESA Standard Measuring Method)	33000:1	33000:1	15000:1
Panel Contrast	3000:1	3000:1	1800:1
Viewing Angle	178	178	178
Screen Format	Wide Zoom / Normal / Full / Zoom	Wide Zoom / Normal / Full / Zoom	Wide Zoom / Normal / Full / Zoom
Picture Mode	Vivid / Standard / Cinema	Vivid / Standard / Cinema	Vivid / Standard / Cinema
3D Digital Comb Filter	Yes	Yes	Yes
<b>AUDIO</b>			
Sound Mode	Dynamic / Standard / Clear Voice	Dynamic / Standard / Clear Voice	Dynamic / Standard / Clear Voice
Surround Mode	S-Force / Simulated Stereo	S-Force / Simulated Stereo	S-Force / Simulated Stereo
Voice Zoom	Yes	Yes	Yes
Surround	S-Force	S-Force	S-Force
Stereo	NICAM, A2	NICAM, A2	NICAM, A2
Audio Power	10W + 10W	10W + 10W	10W + 10W
<b>TERMINAL</b>			
Digital Media Port	1	1	1
HDMI / Audio In	3 / 1	3 / 1	3 / 1
Component / Audio In	2	2	2
Composite / Audio In	3	3	3
HD 15 PC Input / Audio	1	1	1
Composite Monitor Out / Audio Out	1	1	1
Audio Out	2	2	2
Headphone Out	1	1	1
<b>OTHER FEATURES</b>			
BRAVIA Sync	Yes	Yes	Yes
Power Saving Mode	Yes	Yes	Yes
Clock	Yes	Yes	Yes
Sleep Timer	Yes	Yes	Yes
On / Off Timer (with Time Setting)	Yes	Yes	Yes
Teletext	Yes	Yes	Yes
PAP	Yes (1 Tuner)	Yes (1 Tuner)	Yes (1 Tuner)
PC Input PIP	Yes	Yes	Yes
Ambient Light Sensor	Yes	Yes	Yes
OSD Language	English, Traditional Chinese, Arabic, Persian, Thai	English, Traditional Chinese, Arabic, Persian, Thai	English, Traditional Chinese, Arabic, Persian, Thai
Swivel / Tilt	Yes / -	Yes / -	Yes / -
Swivel Range	Left 20° / Right 20°	Left 20° / Right 20°	Left 20° / Right 20°
<b>GENERAL</b>			
Power Requirements (Voltage, Frequency)	110-240V, 50 / 60Hz	110-240V, 50 / 60Hz	110-240V, 50 / 60Hz
Power Consumption	277W	224W	156W
Standby Power Consumption	Less than 0.3W	Less than 0.3W	Less than 0.3W
Dimensions (W x H x D) with Stand	1120 x 782 x 307 mm	986 x 684 x 279 mm	794 x 577 x 242 mm
Dimensions (W x H x D) without Stand	1120 x 742 x 115 mm	986 x 646 x 110 mm	794 x 540 x 99 mm
Weight with Stand	29kg	22kg	16kg
Weight without Stand	25kg	19kg	13kg
<b>SUPPLIED ACCESSORIES</b>			
Remote Control	RM-GA011	RM-GA011	RM-GA011
Batteries	2 x AA	2 x AA	2 x AA
<b>OPTIONAL ACCESSORIES</b>			
Wallmount Bracket	SU-WL500 / SU-WL50B	SU-WL500 / SU-WL50B	SU-WL500 / SU-WL50B

SONY

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DESIGNED FOR CONNECTIVITY, ENGINEERED FOR ENTERTAINMENT

V SERIES LCD TV

BRAVIA

BRAVIA



## V Series LCD TV A Design that Redefines Seamless Connectivity

The BRAVIA V-Series LCD TV is made for seamless connectivity with all your other entertainment devices so that regardless of your needs, you can still be entertained with just one sleek and stylishly designed product inspired by Sony's new design concept.

Sony's new design concept is called "Draw the Line". For the V-Series LCD TVs, the design is inspired by the horizon – where beautiful images float above it – while surrounded by an impeccable sense of class with its beautiful finish.

Sony understands that you may have more than one portable device, that's why they have incorporated into the V-Series technologies such as BRAVIA Sync that will help connect all your devices together easily and hassle-free. The BRAVIA V-Series LCD TV also comes with picture enhancing technologies such as BRAVIA Engine 2 and Intelligent Picture that work together to produce the best images possible. With the V-Series, you can enjoy all your portable devices on a beautiful screen that is the trademark of BRAVIA.

The BRAVIA V-Series LCD TV lets you connect and enjoy all your devices like no other.



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### Unparalleled Picture Quality

Enjoy your favourite movie or sports programme on BRAVIA's Full High Definition\* V-Series televisions and experience excitement like never before. Redefine the way you experience excitement as BRAVIA's Full High Definition's 1920 x 1080 pixels bring images to life. BRAVIA's V-Series with Full High Definition can fully display 1920 x 1080 sources such as HD broadcasting, Blu-ray, and PLAYSTATION® 3 so you are able to immerse yourself in the exhilaration of watching action sequences with life-like images and precise details like no other.

\*Applicable to selected models. Refer to Specifications for more details.



Standard Definition  
720 H x 480 V

HD Ready  
1366 H x 768 V

Full HD  
1920 H x 1080 V

### The Ultra Intelligent BRAVIA Engine 2



At the heart of BRAVIA's V-Series LCD TVs is the BRAVIA Engine 2, a fully digital integrated picture-enhancement engine optimally engineered using Sony's unique technology to maximise the features of display devices. Equipped with an array of unique Sony algorithms such as Advanced Contrast Enhancer, what you see on screen are images with perfect contrast. Enjoy spectacular images that are sharp and vibrant every single time.

### Improved Advanced Contrast Enhancer (ACE)

Enjoy pictures of the highest quality on BRAVIA's W-Series televisions with the Advanced Contrast Enhancer (ACE). This improved version of ACE optimises the contrast of every scene even further by adjusting the backlight level and recreating the subtle gradation for true blacks without sacrificing the brightness in dark scenes. Enjoy your favourite programmes with incredible pictures that are rich and detailed even in dark scenes and in every light.



Conventional LCD Television:  
Deep blacks cannot be reproduced.



Dynamic Contrast without ACE:  
The backlight is dimmed to deepen the black, but the darker shades of greys are washed out.



Dynamic Contrast with ACE:  
ACE reproduces true black while faithfully recreating all the subtle levels of gradation.



## MPEG Noise Reduction



Enjoy crisp, noise-free images with sharp edges on BRAVIA's V-Series. Featuring MPEG Noise Reduction that automatically reduces block noise – a common problem usually caused by MPEG compression – and improves the edges of characters, it also successfully suppresses noise that usually appears at high contrast edges. This produces clear subtitles on your television set, allowing you to always enjoy your favourite programmes at a quality that's unlike any other.



With **MPEG Noise Reduction turned off**, noise appears at high contrast edges and image doesn't appear clear.

With **MPEG Noise Reduction turned on**, noise is suppressed at high contrast edges and image appears sharp and clear.



With **MPEG Noise Reduction turned off**, subtitles on screen appear blurry and difficult to read.

With **MPEG Noise Reduction turned on**, subtitles on screen appear sharp and easy to read.



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## Intelligent Picture



BRAVIA's V-Series is equipped with Intelligent Picture\* that automatically boosts weak analogue broadcast signals (RF) and reduces the noise of these signals to produce vibrant and noise-free pictures. Enjoy images of the highest clarity on BRAVIA's V-Series every single time.

\*Default setting is ON.



Without Intelligent Picture, images on screen appear grainy and snowy due to weak signal levels.

With Intelligent Picture, signal levels are boosted and images on screen appear crisp and clear.

## Authentic Theatre Experience



Recreate an authentic theatre experience right in the comfort of your own home as Sony incorporates the Hollywood standard of imaging to authoring in films (24 frames per second) into BRAVIA's V-Series televisions. Experience every movie with the same film-like motion and bring a theatre home with the BRAVIA V-Series.

## Theatre Mode



Collaborating with Sony Pictures Entertainment, Sony has created Theatre Mode, Sony's authorised picture setting for films that accurately balances the colours of dark scenes and with the right amount of "film-grain". You can now experience every movie exactly the way the director intended!

## Fuss Free Entertainment



BRAVIA Sync, like its name suggests, is able to synchronise with all your other entertainment devices such as Handycam®. You are able to view all your videos and images on the big screen of your BRAVIA V-Series and even control your home theatre system and Handycam® directly using the remote provided! Redefine the way you relive your memories with the BRAVIA V-Series televisions.



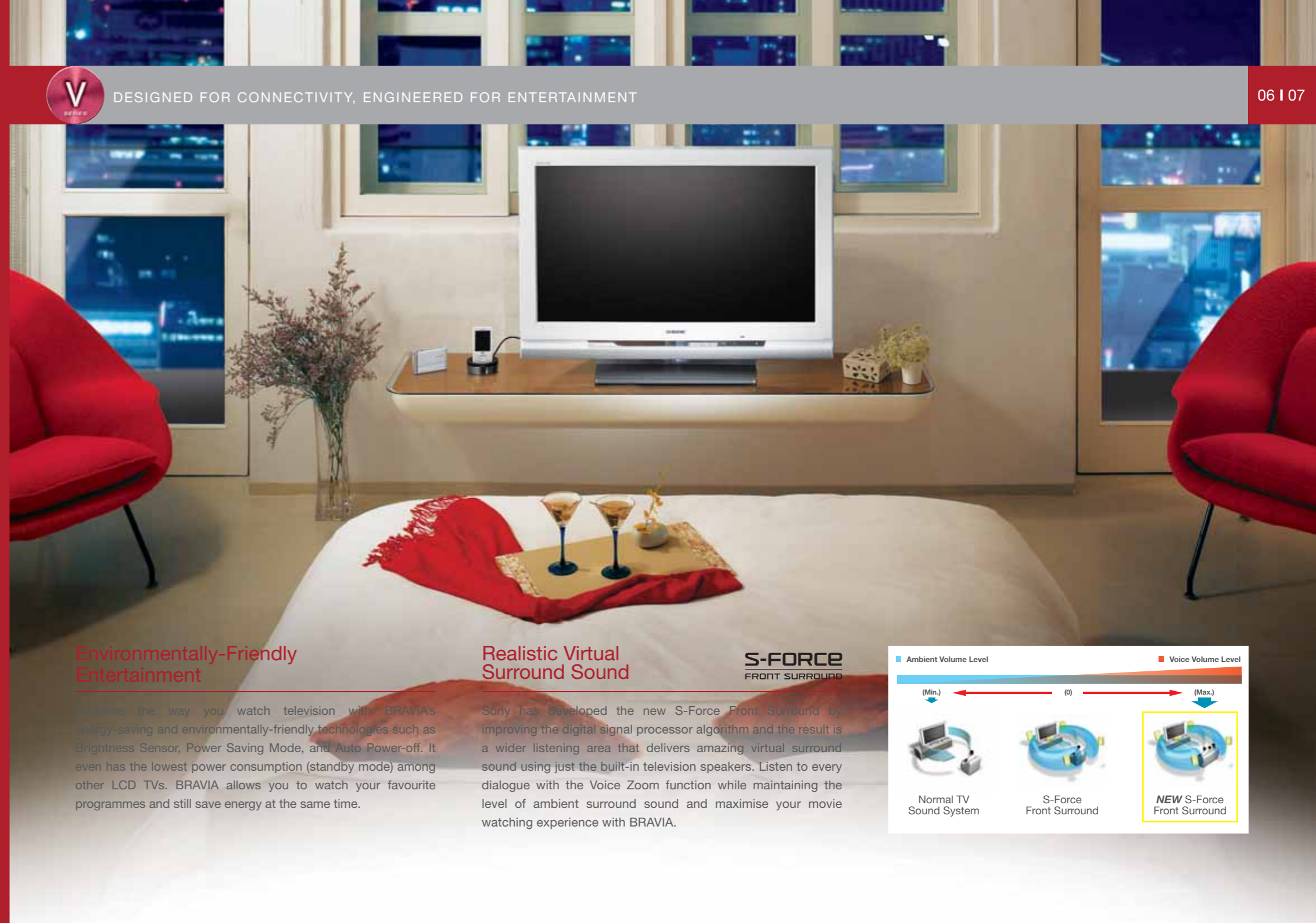
## All-in-One Integrated Entertainment System

DIGITAL MEDIA PORT

Listen to your favourite portable tunes in crisp, high fidelity sound with the new Digital Media Port (DMP) on the BRAVIA V-Series. DMP allows you to connect your portable devices\* such as Sony's Walkman® MP3 Player, iPod+, or even your Bluetooth®-enabled Sony Ericsson phone to your television. Not only can you view playlists, artists, albums and track information on the V-Series, you can even control connected devices on the BRAVIA display with its remote controller! Enhance the way you listen to music with BRAVIA's V-Series with Digital Media Port.



\* A variety of optional DMP bases is available for different devices and is sold separately. + iPod is a trademark of Apple Inc., registered in the U.S. and other countries.



## Environmentally-Friendly Entertainment

Redefine the way you watch television with BRAVIA's energy-saving and environmentally-friendly technologies such as Brightness Sensor, Power Saving Mode, and Auto Power-off. It even has the lowest power consumption (standby mode) among other LCD TVs. BRAVIA allows you to watch your favourite programmes and still save energy at the same time.

## Realistic Virtual Surround Sound

Sony has developed the new S-Force Front Surround by improving the digital signal processor algorithm and the result is a wider listening area that delivers amazing virtual surround sound using just the built-in television speakers. Listen to every dialogue with the Voice Zoom function while maintaining the level of ambient surround sound and maximise your movie watching experience with BRAVIA.

S-FORCE FRONT SURROUND

