**Key Features**

- ATSC Integrated Tuner with CableCARD™ Slot
- 16:9 HD Resolution S-PVA Panel - 1366(H) x 768(V)
- WEGA Engine™ System
- WCG-CCFL (Wide Color Gamut-CCFL) backlight
- WEGA GATE™ - Easy Operation Guide
- PC Input
- HDMI™ (High Definition Multimedia Interface) Connector
- S-Master® Digital Amplifier
- SRS® TruSurround® XT Equipped
- Audio Output: 13W x 2
- VESA Compliant Mounting Holes
- Space-saving, invisible speaker design

**Key Technologies**

**7th Generation Sony® LCD Panel** The Sony® BRAVIA™ XBR® series uses the world’s first 7th generation Sony LCD panel for truly matchless image quality and performance. Specially crafted at the S-LCD plant, these panels are produced from the world’s biggest mother glass to efficiently create large, high quality panels. The 1 Mega Pixel S-PVA high definition display (1366 x 768) that is used offers an astounding 178 degree viewing angle, very fast response times (8 ms total rise and fall time) and a spectacular contrast ratio.

**WCG-CCFL (Wide Color Gamut-Cold Cathode Fluorescent Light)** Sony brings decades of television expertise and experience to LCD with a revolutionary backlight ? WCG-CCFL. New spectrum phosphors have been developed exclusively by Sony to deliver a very wide color gamut that exceeds the color gamut of ordinary CCFL backlights and produces true reds, vivid greens and vibrant blues. Images are reproduced with enhanced vibrancy and intensity resulting in an even greater sense of realism.

**WEGA Engine™** Because of the special demands HDTV places on signal quality a new generation of Sony’s exclusive WEGA Engine™ advanced picture quality system has evolved. Two innovative digital imaging processes have been added to improve overall picture quality. A High Contrast Image processor dynamically detects the histogram of each frame and instantly applies the ideal contrast level for crisper images. And the Natural High Density Picture image processor reduces noise elements by intelligently separating the noise from the video signal for a purer more detailed picture. Enjoy a stunning display of realistic images, amazing detail and sharpness, reduced noise and enhanced clarity with improved depth and contrast.
Features

General Features
Auto SAP: Yes
Closed Caption (CC): Yes
ID1 Detection: Yes
Video Label: Yes
Clean Wire Management: Yes

Video Features
Screen or Display Technology: 7th Generation LCD Panel
Tuner: 8 VBS, ATSC, NTSC, Clear QAM
Video Signal System: ATSC, NTSC
Video Processing: WEGA Engine™ Technology
OneMotion® Reverse 3.2: Pulldown Technology: Yes
DRCR® MultiFunction Circuitry: (Yes (DRC-MF V1)
DRC® Mode: Yes
DRC® Palette Presets: Yes
Direct Digital II Circuitry: Yes
Advanced Video Menu: Yes
Color Temperature: Cool, Neutral, Warm 1, Warm 2
Gamma Compensation: Max, High, Medium, Low, Off
Back Corrector: High, Medium, Low, Off
Live Color: High, Medium, Low, Off
Clear White: High, Low, Off
Color Space: Wide, Normal
Contrast Enhancer: High, Low, Off
Color Correction: Yes
Noise Reduction: Yes
Screen Modes (4:3): Wide Zoom, Normal, Full, Zoom, Off
Wide Mode (16:9): Wide Zoom, Full, Zoom
Wide Mode (4:3): Wide Zoom, Normal, Full, Full 2, Zoom, Off
Wide Mode (PC): Normal, Full, 2, Zoom, Off
Slide Show Mode: Slide Show transitions
Display Mode for PC Input: Video, Text
Comb Filter: 3D Digital Comb Filter
Game Mode: On/Off
Auto Adjustment (PC): Yes
Phase (PC Only): Yes
Pitch (PC Only): Yes
Light Sensor: Yes
Picture Modes: Weid, Standard, Custom

Audio Features
Digital Amplifier: S-Master® Digital Amplifier
SRS® TruSurround® XT Audio Effect: Yes
Simulated Surround: Yes
Sound Mode: Dynamic, Standard, Custom
Tone Control(s): Treble and Bass
AV Sync: 0/1/2/3
MTS Stereo Decoder: Yes
Audio Multi: Yes
Speaker On/Off: Yes

Convenience Features
WEGA GATE™ Technology: Yes
Freeze Memo Screen Freeze: Yes (with side by side viewing)
Programmable Timer: Yes
Sleep Timer: 15, 30, 45, 60, 90, Off
Timer Events: Timer 1, Timer 2
Clock: Yes
Caption Vision: Basic, Digital CC, Advanced,
Power Save Mode: Standard, Reduced, Picture Off

Specification
General
Aspect Ratio: 16:9
Screen Size: 40”

Video
Native Resolution: 720p
Display Resolution: 1366 x 768
Overscan: Normal, -1, -2
Viewing Angle: Right/Left: 170°, Up/Down: 170° or more
Display Response Time: NA
Vertical Center: Yes
Vertical Size: Yes
Horizontal Center: Yes
Vertical Frequency (Hz): NA

Audio
Speaker Type: 2-way Speakers, Oval Cone
Speakers (Total): 4
Tweeter Size: 1 4/7” (40mm)
Full Range Speaker Size: 40 x 100 mm Oval, 40mm Tweeter
Audio Power Output: 26W Total (13W x 2)

Inputs and Outputs
CableCARD™ Slot: 1 (Rear)
PC Video Input(s): 1 (Front)
PC Audio Input(s): 1 (Rear)
HDMI™ Connection Input(s): 1 (Rear) with Analog Audio
Component Video (Y/Pb/Pr) Input(s): 3 (1 Front/2 Rear)
S-Video Input(s): 1 (Rear)
Composite Video Input(s): 3 (1 Front/2 Rear)
Audio In: 6 (1 Front/5 Rear)
Digital Audio Output(s): Dolby® Digital Optical Output - 1 (Rear)
Audio Out (Variable/Fixed): 1 (Rear)
RF Connection Input(s): 2 (Rear)
Headphone Output(s): 1 (Front)

Weights and Measurements
Dimensions (Approx) Width: 39 15/16” (1014.4 mm)
Dimensions (Approx) Height: 26 7/8” (683.3 mm)
Weight (Approx): 54.6 lbs. (24.5 kg)

Power
Internal Power Supply: Yes
Power Consumption (CableCARD™ in Standby): TBD
Power Consumption (in Operation): 240 W
Power Consumption (in Standby): Less than 0.15 W
Power Requirements: AC 120-240V, 50/60hz
Power Management: Yes (for PC Input Only)

Regulation and Standard Compliance
VESA: VESA FDIM Compliant Mounting Holes;
EnergyStar® (TBD)

Service and Warranty Information
Limited Warranty: 1 Year Labor / 1 Year Parts
KDL-V40XBR1

Weight
66 lbs, 5 oz (29.1 kg) with pedestal; 54 lbs, 0 oz (24.5 kg)
without pedestal

Dimensions (WHD)
39 15/16” x 28 15/16” x 14 9/16” (1014.4 x 722.7 x 370.3 mm) with pedestal; 39 15/16” x 26 7/8” x 4 15/16” (1014.4 x 683.3 x 125.3 mm) without pedestal

UPC Code
027242677270

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1. Screen Size measured diagonally.

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