IF YOU BEEN HEARING ABOUT HOW AMAZING BLU-RAY ENTERTAINMENT IS, OR HOW MUCH BETTER YOUR FAVORITE SHOWS WOULD LOOK IN HD, YOU’VE HEARD RIGHT. THE THING IS, YOU NEED 1080P FULL HD TO GET THE MOST OUT OF BOTH. WITH THE LK450, YOU CAN.

FEATURES

• Full HD 1080p Resolution
• Picture Wizard II
• Intelligent Sensor
• Smart Energy Saving
• ISFcc Ready

IS IT A TV? OR SOMETHING BETTER?

If you been hearing about how amazing Blu-ray entertainment is, or how much better your favorite shows would look in HD, you’ve heard right. The thing is, you need 1080p Full HD to get the most out of both. With the LK450, you can.

This stunning picture is the reason you wanted HDTV in the first place. With almost double the pixel resolution, Full HD 1080p gives it superior picture quality over standard HDTV.

Get easy self-calibration with on-screen reference points for key picture quality elements such as black level, color, tint, sharpness and backlight levels. Take the guesswork out of picture adjustments with this simple-to-use feature.

Let your TV do the adjustments for you. Intelligent Sensor automatically optimizes the picture to the lighting and color conditions in the room for a more enjoyable viewing experience.
**PANEL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen Size</td>
<td>42&quot; Class (42.0&quot; Diagonal)</td>
</tr>
<tr>
<td>Resolution</td>
<td>1920 x 1080p</td>
</tr>
<tr>
<td>Frame Rate</td>
<td>60Hz</td>
</tr>
<tr>
<td>Contrast Ratio (DCR)</td>
<td>100,000:1</td>
</tr>
</tbody>
</table>

**BROADCASTING SYSTEM**

- Analog: NTSC
- Digital: ATSC/NTSC/Clear QAM (1 Tuner)

**VIDEO**

- **XD Engine**: Yes
- **Aspect Ratio Correction**: 6 Modes (16:9/Just Scan/Original/4:3/Zoom/ Cinema Zoom)
- **Color Temperature Control**: 3 Modes (Warm/Medium/Cool)
- **Picture Mode**: 8 Modes (Intelligent Sensor/Vivid/Standard/Cinema/ Game/Rec/Isf Expert 1/Isf Expert 2)
- **Just Scan**: 1080p/1080i/720p
- **O% Over/Scan**: 1080p/1080i/720p
- **24p Real Cinema (24p 5/2:2 Pull Down)**: (1080 24p)
- **Expert Mode/ISFccc Ready**: Yes
- **THX Certified Display (w/Bright Room Mode)**: Yes
- **xvYCC**: Yes
- **AV Mode Picture & Sound**: (Cinema/Game/Sport)
- **Picture Wizard II**: (Easy Self Calibration)

**AUDIO**

- **Mono/Stereo/Dual (MTS/SAP)**: Yes
- **Audio Output (Watts - THD 10%)**: 10W + 10W
- **Speaker System**: 1 Way 2 Speakers
- **Dolby Digital Decoder**: Yes
- **Surround System**: Infinite Surround
- **Bass/Treble/Balance**: Yes
- **Auto Volume Leveler**: Yes
- **Sound Mode**: 5 Modes (Standard/Music/Cinema/Game/Sports)
- **Clear Voice II**: Yes

**SPECIAL FEATURES**

- **Smart Energy Saving**: Yes
- **Intelligent Sensor**: Yes
- **1080p Source Input**: HDMI 60p/30p/24p
- **Component**: 60p/30p/24p
- **RGB**: 60p (WXGA)
- **AV Input Navigation**: Yes
- **Input Labeling**: Yes
- **Child Lock**: Yes
- **Closed Caption**: Yes
- **SIMPPLINK™ (HDMI CEC)**: Yes
- **Ecological Trademark**: EPA 4.1

**CONVENIENCE FEATURES**

- **Language**: English/Spanish/French/Korean
- **Auto Tuning/Programming**: Yes
- **Channel Add/Delete**: Yes
- **Favorite Channel Programming**: Yes
- **Auto/Manual Clock**: Yes
- **On/Off Timer**: Yes
- **Sleep Timer**: Yes
- **Auto Off (Sleep)**: Yes

**AV INPUTS/OUTPUTS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF In (Antenna/Cable)</td>
<td>1 (Rear)</td>
</tr>
<tr>
<td>AV In</td>
<td>2 (1 Side, 1 Rear)</td>
</tr>
<tr>
<td>Component Video In (Y, Pb, Pr) + Audio</td>
<td>2 (Rear)</td>
</tr>
</tbody>
</table>

**AV INPUTS/OUTPUTS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI™/HDCP Input</td>
<td>3 (2 Rear, 1 Side)</td>
</tr>
<tr>
<td>USB 2.0</td>
<td>1 (Side)</td>
</tr>
<tr>
<td>Digital Audio Out (Optical)</td>
<td>1 (Rear)</td>
</tr>
<tr>
<td>RGB In (D-Sub 15 Pin) - PC</td>
<td>1 (Rear)</td>
</tr>
<tr>
<td>PC Audio Input</td>
<td>1 (Rear)</td>
</tr>
<tr>
<td>RS-232C (Control/Service)</td>
<td>1 (Rear)</td>
</tr>
<tr>
<td>Headphone Out</td>
<td>1 (Side)</td>
</tr>
</tbody>
</table>

**POWER**

- **Voltage, Hz**: 100V ~ 240V(50/60Hz)
- **Consumption (Max.)**: 210W
- **Consumption (Average)**: 175W
- **Standby Mode**: <0.1W

**DIMENSIONS/WEIGHT**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV without Stand (WxHxD)</td>
<td>40.1&quot; x 24.8&quot; x 3.0&quot;</td>
</tr>
<tr>
<td>TV with Stand (WxHxD)</td>
<td>40.1&quot; x 27.5&quot; x 10.4&quot;</td>
</tr>
<tr>
<td>Shipping Dimensions (WxHxD)</td>
<td>48.4&quot; x 30.3&quot; x 6.3&quot;</td>
</tr>
<tr>
<td>TV without Stand Weight</td>
<td>29.5 lbs</td>
</tr>
<tr>
<td>TV with Stand Weight</td>
<td>33.3 lbs</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>41.9 lbs</td>
</tr>
</tbody>
</table>

**WARRANTY/UPC**

- **Limited Warranty**: 1 Year Parts & Labor
- **UPC**: 719192580930

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**LG Electronics U.S.A., Inc.**
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Customer Service and Technical Support: (800) 243-0000
LG.com

Design, features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.

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