



# 4K Certification Test Report

Crestron DigitalMedia™ Lab



Report #: 28 Date Test Completed: 2/13/2015  
 Manufacturer: LG Inputs Tested: HDMI #1  
 Model: 65UB9800 Native Resolution: 3840x2160  
 Aspect Ratio: 1.77 (16:9)

**EDID structure verification** (HDMI® CTS v1.4B 8-1 thru 8-2) . . . . .Pass **Video protocol compliance** (HDMI CTS v1.4B 8-17 thru 8-20) . . . . .Pass  
**TMDS signal integrity** (HDMI CTS v1.4B 8-5 thru 8-7) . . . . .Pass **4K protocol compliance** (HDMI CTS v1.4B 8-30) . . . . .Pass

## EDID Report Support as declared by tested device via EDID

### DM® Compatible Resolutions

- |  |  |  |  |   |
|--|--|--|--|---|
| <input checked="" type="checkbox"/> 640x480@60Hz           | <input type="checkbox"/> 1280x960@60Hz                       | <input type="checkbox"/> 1920x1080@25Hz (1080p25)            | <input checked="" type="checkbox"/> 3840x2160@24Hz | <input checked="" type="checkbox"/> Other:<br>1920x1080@30(1080p30) |
| <input checked="" type="checkbox"/> 720x480@60Hz (480p)    | <input checked="" type="checkbox"/> 1280x1024@60Hz           | <input type="checkbox"/> 1920x1080@25Hz (1080i25)            | <input checked="" type="checkbox"/> 3840x2160@25Hz |   |
| <input type="checkbox"/> 720x576@50Hz (576p)               | <input type="checkbox"/> 1366x768@60Hz                       | <input checked="" type="checkbox"/> 1920x1080@30Hz (1080i30) | <input checked="" type="checkbox"/> 3840x2160@30Hz |   |
| <input checked="" type="checkbox"/> 800x600@60Hz           | <input type="checkbox"/> 1400x1050@60Hz                      | <input type="checkbox"/> 1920x1080@50Hz (1080p50)            | <input type="checkbox"/> 3840x2160@50Hz            |   |
| <input checked="" type="checkbox"/> 1024x768@60Hz          | <input type="checkbox"/> 1440x900@60Hz                       | <input checked="" type="checkbox"/> 1920x1080@60Hz (1080p60) | <input checked="" type="checkbox"/> 3840x2160@60Hz |   |
| <input type="checkbox"/> 1280x720@50Hz (720p50)            | <input type="checkbox"/> 1600x900@60Hz                       | <input type="checkbox"/> 1920x1200@60Hz                      | <input type="checkbox"/> 4096x2160@24Hz            |   |
| <input checked="" type="checkbox"/> 1280x720@60Hz (720p60) | <input type="checkbox"/> 1600x1200@60Hz                      | <input type="checkbox"/> 2048x1080@60Hz                      | <input type="checkbox"/> 4096x2160@50Hz            |   |
| <input type="checkbox"/> 1280x768@60Hz                     | <input type="checkbox"/> 1680x1050@60Hz                      | <input type="checkbox"/> 2560x1440@60Hz                      | <input type="checkbox"/> 4096x2160@60Hz            |   |
| <input type="checkbox"/> 1280x800@60Hz                     | <input checked="" type="checkbox"/> 1920x1080@24Hz (1080p24) | <input type="checkbox"/> 2560x1600@60Hz                      |  |   |

**Preferred Timing:** 1920x1080p@60Hz **Color Space:** YCbCr/RGB **3D:** Yes

### Audio Formats

- |  |   |   |                                 |  |   |                                 |
|--|---|---|---------------------------------|--|---|---------------------------------|
| <input type="checkbox"/> No Audio Support      | <input type="checkbox"/> Dolby Digital®   | <input type="checkbox"/> Dolby Digital Plus | <input type="checkbox"/> DTS®   | <input type="checkbox"/> DTS 96/24       | <input type="checkbox"/> DTS-HD Master Audio™ | <input type="checkbox"/> Other: |
| <input checked="" type="checkbox"/> Stereo PCM | <input type="checkbox"/> Dolby Digital EX | <input type="checkbox"/> Dolby® TrueHD      | <input type="checkbox"/> DTS-ES | <input type="checkbox"/> DTS-HD High Res | <input type="checkbox"/> Up to 8ch PCM        |                                 |

## CEC Report

**Power on** (remote control passthru): Not Supported **Power off** (remote control passthru): Not Supported **Power toggle:** Not Supported  
**Power on** (image view on): Not Supported **Power off** (system standby): Not Supported

Note: This command turns the display on (if off) and selects the HDMI input from which it received the command (if not already selected.)

## Signal Lock Performance

**Time to lock on new signal** (worst case, in seconds): 3.5

**Signal lock performance notes:**

## Other Notes

Display fails TMDS signal integrity tests 8-5 thru 8-7 at 4096x2160 resolutions.

See how we conduct our 4K certification testing at [www.crestron.com/4K](http://www.crestron.com/4K)

All brand names, product names, and trademarks are the property of their respective owners. Certain trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography. ©2014 Crestron Electronics, Inc., Rockleigh, New Jersey

