



# 4K Certification Test Report

Crestron DigitalMedia™ Lab



Report #: 3 Date Test Completed: 06/09/2014  
 Manufacturer: Sony Inputs Tested: 1  
 Model: XBR-55X850A Native Resolution: 3840 x 2160  
 Aspect Ratio: 1.77 (16:9)

**EDID structure verification** (HDMI® CTS 8-1 through 8-2) . . . Pass **Video protocol compliant** (HDMI CTS 8-17 through 8-20) . . . Pass  
**TMDS signal integrity** (HDMI CTS 8-5 through 8-7) . . . . . Pass **4K protocol compliant** (HDMI CTS 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: |
| <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 | 1920x1080p@30Hz                            |
| <input type="checkbox"/> 720x576@50Hz (576p)               | <input type="checkbox"/> 1366x768@60Hz                       | <input checked="" type="checkbox"/> 1920x1080@30Hz (1080i30) | <input checked="" type="checkbox"/> 3840x2160@30Hz | 1280x720@24Hz                              |
| <input checked="" type="checkbox"/> 800x600@60Hz           | <input type="checkbox"/> 1400x1050@60Hz                      | <input type="checkbox"/> 1920x1080@50Hz (1080p50)            | <input type="checkbox"/> 3840x2160@50Hz            | 1280x720p@30Hz                             |
| <input checked="" type="checkbox"/> 1024x768@60Hz          | <input type="checkbox"/> 1440x900@60Hz                       | <input checked="" type="checkbox"/> 1920x1080@60Hz (1080p60) | <input type="checkbox"/> 3840x2160@60Hz            | 720x480i@30Hz (480i30)                     |
| <input type="checkbox"/> 1280x720@50Hz (720p50)            | <input checked="" type="checkbox"/> 1600x900@60Hz            | <input type="checkbox"/> 1920x1200@60Hz                      | <input checked="" 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:** 1920x1080@60 (1080p60) **Color Space:** YCbCr/RGB **3D:** Yes

### Audio Formats

- |  |  |   |                                 |  |   |                                 |
|--|--|---|---------------------------------|--|---|---------------------------------|
| <input type="checkbox"/> No Audio Support      | <input checked="" 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): Supported **Power off** (remote control passthru): Supported **Power toggle:** Supported  
**Power on** (image view on): Supported **Power off** (system standby): 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): 4

**Signal lock performance notes:**

## Other Notes

Audio Protocol Tests with the Quantum Data 980 failed at 32 kHz and 44.1 kHz. All other sampling frequencies passed. When connected through the DigitalMedia system, all sampling frequencies passed.

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

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