



4K Certification Test Report

Crestron DigitalMedia™ Lab



Report #: 34 Date Test Completed: 5/4/2015
 Manufacturer: Microsoft Inputs Tested: 1
 Model: Surface Hub 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 type="checkbox"/> Other: |
| <input checked="" type="checkbox"/> 720x480@60Hz (480p) | <input type="checkbox"/> 1280x1024@60Hz | <input type="checkbox"/> 1920x1080@25Hz (1080i25) | <input type="checkbox"/> 3840x2160@25Hz | |
| <input type="checkbox"/> 720x576@50Hz (576p) | <input type="checkbox"/> 1366x768@60Hz | <input type="checkbox"/> 1920x1080@30Hz (1080i30) | <input checked="" type="checkbox"/> 3840x2160@30Hz | |
| <input 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 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 type="checkbox"/> 1920x1080@24Hz (1080p24) | <input type="checkbox"/> 2560x1600@60Hz | | |

Preferred Timing: 1920x1080@60Hz (1080p60) **Color Space:** YCbCr/RGB **3D:** No

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): 2.5

Signal lock performance notes:

Other Notes

Audio/Video double bounce and artifacts observed when switching sources. No artifacts when paired with DigitalMedia 4K scaler.

See how we conduct our 4K certification testing at www.crestron.com/4K

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