



4K Certification Test Report

Crestron DigitalMedia™ Lab



Report #: 4 Date Test Completed: 06/10/2014
 Manufacturer: Sharp Inputs Tested: 1
 Model: PN-K321 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 checked="" 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 checked="" type="checkbox"/> 1920x1080@25Hz (1080i25) | <input checked="" type="checkbox"/> 3840x2160@25Hz | 720x480i@30 |
| <input checked="" type="checkbox"/> 720x576@50Hz (576p) | <input type="checkbox"/> 1366x768@60Hz | <input checked="" type="checkbox"/> 1920x1080@30Hz (1080i30) | <input checked="" type="checkbox"/> 3840x2160@30Hz | 720x576i@25 |
| <input checked="" type="checkbox"/> 800x600@60Hz | <input checked="" type="checkbox"/> 1400x1050@60Hz | <input checked="" type="checkbox"/> 1920x1080@50Hz (1080p50) | <input type="checkbox"/> 3840x2160@50Hz | |
| <input checked="" type="checkbox"/> 1024x768@60Hz | <input checked="" 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 checked="" type="checkbox"/> 4096x2160@24Hz | |
| <input checked="" type="checkbox"/> 1280x720@60Hz (720p60) | <input checked="" type="checkbox"/> 1600x1200@60Hz | <input type="checkbox"/> 2048x1080@60Hz | <input type="checkbox"/> 4096x2160@50Hz | |
| <input type="checkbox"/> 1280x768@60Hz | <input checked="" type="checkbox"/> 1680x1050@60Hz | <input type="checkbox"/> 2560x1440@60Hz | <input type="checkbox"/> 4096x2160@60Hz | |
| <input checked="" type="checkbox"/> 1280x800@60Hz | <input checked="" type="checkbox"/> 1920x1080@24Hz (1080p24) | <input type="checkbox"/> 2560x1600@60Hz | | |

Preferred Timing: 3840x2160@30Hz **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): 6.5

Signal lock performance notes: Highest lock times are observed when switching to 4096x2160 resolutions

Other Notes

Video locks separately on the left and right sides of the screen. Delays in locking between the two sides can be significant.

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

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