MURIDEO®

8K SIX-G & SIX-A FIELD TEST SUITE

A 8K UHD & HDR Generator and Analyzer by Murideo. Pair the SIX-G and SIX-A for an unrivaled testing and troubleshooting suite.

This 40Gbps Generator and Analyzer Testing Kit are the ideal testing units for all custom and commercial integrators. The Murideo Pair comes with a 40Gbps Generator and 40Gbps Analyzer. These tools allow you to confirm correct bandwidth, HDCP, resolution, timing, HDR metadata, and many more options that could cause system hiccups if not treated correctly. You can connect these devices directly to your computer to expanding your testing with free software that comes with your Pair.

Sure, there are pricey test instruments available with a multitude of features. These devices together account for 99% of the testing those other products can do, and they do it in a point-to-point testing system allowing you to keep the SIX-G Generator in one room. Then, walk around all the displays with the 8K SIX-A Analyzer to find out what your system is doing or not doing.

The 8K Murideo Pair is a must-have for any HDMI Specialist, Calibrator, AV Product Manufacture, HDMI Cable Manufacturer, Custom/Commercial Integrators, Content Masters, and more.
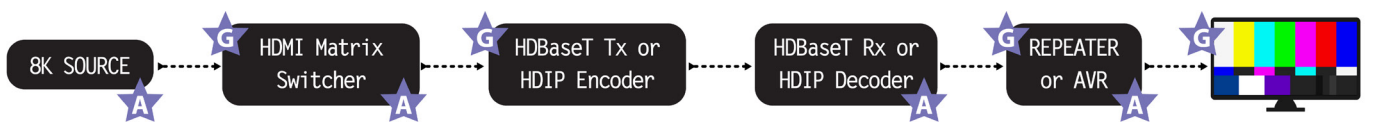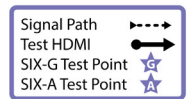
BENEFITS:

• SAVE TIME WHEN INSTALLING A SYSTEM

• TROUBLESHOOT ANY HDMI ISSUE

• VERIFY SIGNAL INTEGRITY AFTER INSTALLATION

• TEST ALL CABLES BEFORE INSTALLATION

• VERIFY SIGNAL INTEGRITY BEFORE CALIBRATION

SIX-G & SIX-A Connection Diagram
System Testing

Signal Path
Test HDMI
SIX-G Test Point
SIX-A Test Point

8K SOURCE → HDMI Matrix Switcher → HDBaseT Tx or HDIP Encoder → HDBaseT Rx or HDIP Decoder → REPEATER or AVR → [display]

Input of Device Under Test

Output of Device Under Test

Procedure:
Test each input and output connection to ensure it can display the 4K source. Use the SIX-G to test input(s) and the SIX-A to test output(s) from the sources, extenders, and repeaters.

1. Testing Sources: Using the SIX-A, verify that the desired signal is present (Up to 8K60 4:2:0 or 8K30 4:4:4 10 bit)
2. Testing Repeaters: Use the SIX-G to verify inputs can handle full signal
3. Testing Each Zone: Verify the outputs are sending the correct signal with the SIX-A
4. Testing Extenders: Verify the signal is passing from the Tx input to the Rx output with the SIX-A
5. Testing an AVR: Ensure HDR and HDCP are passing through the AVR with SIX-G on the input and SIX-A on the output

8K SIX-G & SIX-A FIELD TEST SUITE

A 8K UHD & HDR Generator and Analyzer by Murideo. Pair the SIX-G and SIX-A for an unrivaled testing and troubleshooting suite.

PRODUCT SPECIFICATIONS

8K SIX-G GENERATOR:

VIDEO:

HDMI VERSION	HDMI 2.1 (FRL5 40GBPS)
HDCP VERSION	HDCP 2.3 AND 1.4
HDCP ON/OFF	YES
MAXIMUM CLOCK RATE	600 Mcsc (594 MHz)
MAXIMUM THROUGHPUT PER CHANNEL	10.0 Gbits/sec (40 GBP/sec TOTAL)
RESOLUTION TIMINGS	VESA; VIDEO STANDARD WITH 60, 59.94, 30, 29.97, 24, 23.98, FPS; VIDEO STANDARD WITH 50, 25 FPS; AUTO AND 10 USER DEFINDED
VIDEO ENCODING	RGB, YCbCr
VIDEO SAMPLING MODELS	RGB 4:4:4, YUV 4:4:4, YUV 4:2:2, YUV 4:2:0 HDMI 2.0
COLOR BIT DEPTH	8, 10, 12, 16, AND AUTO EDID READ
PATTERNS	OVER 80 BUILT IN INCLUDING ISF GEOMETRY, ISF RESOLUTION, ISF PLUGE, COLORS, FOCUS, RESOLUTION, BARS, RAMPS, MULTIBURST, BLACK/WHITE AND MOVING BARS.

AUDIO:

AUDIO CHANNELS	UP TO 8 (7.1)
AUDIO OUTPUT	2 CH LPCM
VU METER CHANNELS	UP TO 8 (7.1)

PORTS:

HDMI	TYPE A
AUDIO (L/R INPUT)	3.5MM STEREO (3-CONDUCTOR)
SYNC (SYNC & LATENCY TEST)	3.5MM STEREO (3-CONDUCTOR)
RS232	3.5MM STEREO (3-CONDUCTOR)
FIRMWARE/CONTROL	MICRO USB

ENVIRONMENTAL:

OPERATING TEMPRATURE	23 TO 125°F (-5 TO 51°C)
STORAGE TEMPERATURE	-4 TO 140°F (-20 TO 60°C)
HUMIDITY RANGE	5-90% RH (NO CONDENSATION)

POWER:

POWER	7.4V 2600mAh INTERNAL BATTERY OR WALL ADAPTER
POWER CONSUMPTION (TOTAL)	12 WATTS MAX
POWER SUPPLY	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 12V 2A

DIMENSIONS:

DIMENSIONS (UNIT ONLY DEPTH/WIDTH/HEIGHT)	MM: 28.8 x 108.44 x 139 INCH: 1.13 x 4.27 x 5.47
WEIGHT (UNIT)	0.8 LBS/0.36 KG

*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE

8K SIX-A ANALYZER:

VIDEO:

HDMI VERSION	HDMI 2.1 (FRL5 40GBPS)
HDCP VERSION	HDCP 2.3 AND 1.4
HDCP ON/OFF	YES
MAXIMUM CLOCK RATE	600 Mcsc (594 MHz)
MAXIMUM THROUGHPUT PER CHANNEL	10.0 Gbits/sec (40 GBP/sec TOTAL)
RESOLUTION TIMINGS	ALL VESA; VIDEO STANDARD WITH 60, 59.94, 30, 29.97, 24, 23.98, FPS; VIDEO STANDARD WITH 50, 25 FPS; SMPTE 4K TIMINGS (4096x2160); UHD 4K TIMINGS (3840x2160)
VIDEO ENCODING	RGB, YCbCr
VIDEO SAMPLING MODELS	RGB 4:4:4, YUV 4:4:4, YUV 4:2:2, YUV 4:2:0 HDMI 2.0
COLOR BIT DEPTH	8, 10, 12, 16, AND AUTO EDID READ

AUDIO:

AUDIO TYPE	LPCM
AUDIO SAMPLING RATE	32k, 44.1k, 48k, 88k, 96k, 176k
AUDIO SAMPLING BIT SIZE	16, 20, 24, AUTO
AUDIO CHANNELS	2
AUDIO VOLUME	YES

PORTS:

HDMI	TYPE A
AUDIO (L/R INPUT)	3.5MM STEREO (3-CONDUCTOR)
SYNC (SYNC & LATENCY TEST)	3.5MM STEREO (3-CONDUCTOR)
RS232	3.5MM STEREO (3-CONDUCTOR)
FIRMWARE/CONTROL/	MICRO USB

ENVIRONMENTAL:

OPERATING TEMPRATURE	23 TO 125°F (-5 TO 51°C)
STORAGE TEMPERATURE	-4 TO 140°F (-20 TO 60°C)
HUMIDITY RANGE	5-90% RH (NO CONDENSATION)

POWER:

POWER	7.4V 2600mAh INTERNAL BATTERY OR WALL ADAPTER
POWER CONSUMPTION (TOTAL)	12 WATTS MAX
POWER SUPPLY	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 12V 2A

DIMENSIONS:

DIMENSIONS (UNIT ONLY DEPTH/WIDTH/HEIGHT)	MM: 28.8 x 108.44 x 139 INCH: 1.13 x 4.27 x 5.47
WEIGHT (UNIT)	0.8 LBS/0.36 KG

*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE

*Contents per box