ALTRONICS

MURIDEO®

THE SIX-A-8K ANALYZER

A 8K UHD & HDR Analyzer by Murideo

In today's world of mixed systems and multiple flavors of SD, HD, UHD and now 8K! The 8K SIX-A Analyzer helps you solve manufacturing and installation issues.

Use the 8K SIX-A for testing basic and complex switching solutions for maximum capability and performance. This includes complete high bandwidth HDMI cable testing, HDBaseT and HDIP link testing up to 40 Gbps. With the ability to monitor a pesky system with intermittent issues the 8K SIX-A will capture the data required to help diagnose the problem.
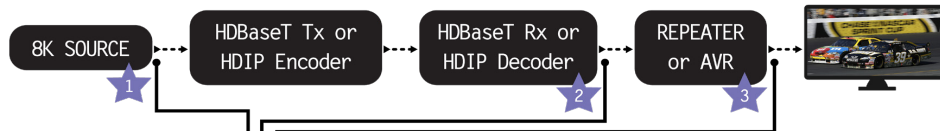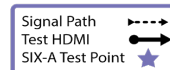
Consultants will love the 8K SIX-A as a tool for system commissioning and validation and, when paired the 8K SIX-G, the 8K SIX-A Analyzer becomes the most powerful (and affordable) HDMI system troubleshooting system on the planet!

8K SIX-A FEATURES:
- Analyze any HDMI/DVI signals up to 40Gbps (7680x4320P60)
- Test HDMI/DVI Cables up to 40Gbps, full TMDS testing
- View up to 40Gbps Video Content and Format Info
- Analyze & Report HDMI Distribution System over Time (minutes, hours, days) down to the Pixel
- Audio Confidence Tests (2-Channel & Multichannel)
- Advanced EDID Analysis & Tools
- Read, Write EDID
- Analyze HDR Signals & Metadata
- Report & Analyze InfoFrames

SIX-A Connection Diagram
Testing Outputs

Signal Path
Test HDMI
SIX-A Test Point

8K SOURCE → HDBaseT Tx or HDIP Encoder → HDBaseT Rx or HDIP Decoder → REPEATER or AVR

FRESCO   SIX-A-8K
RS232 SYNC L/R OUT   HDMI IN
Charging

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HPD   HDCP

HDCP

OK

HDR   8K

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

1. Verify the signal is present (Live video)
2. Verify HDCP version (1.4, 2.2, and 2.3)
3. Verify outputting desired resolution (Up to 8K 60 (4:2:0) 10 bit or 8K 30 (4:4:4) 10 bit)
4. Verify HDR functionality / EDID / Infoframes

If failure is intermittent - install MU-SIX-A-8k for intermittent failure test (up to 90 days)

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40Gbps SUPPORT (Up to 8K60 4:2:0 or 8K30 4:4:4 10 bit)
FULL HDR, DOLBY VISION, HDR10+ AND HLG SUPPORT
40Gbps CABLE TESTING
HDCP 2.3 ANALYSIS
ADVANCED EDID TESTING
BIT ERROR TESTING

PRODUCT SPECIFICATIONS:

VIDEO:	
HDMI VERSION	HDMI 2.1 (FRL5 40GBPS)
HDCP VERSION	HDCP 2.3 AND 1.4
HDCP ON/OFF	YES
MAXIMUM CLOCK RATE	600 Mᴄꜱᴄ (594 MHz)
MAXIMUM THROUGHPUT PER CHANNEL	10.0 Gʙɪᴛꜱ/ꜱᴇᴄ (40 GBP/ꜱᴇᴄ TOTAL)
RESOLUTION TIMINGS	ALL VESA; VIDEO STANDARD WITH 60, 59.94, 30, 29.97, 24, 23.98, ꜰᴘꜱ; VIDEO STANDARD WITH 50, 25 ꜰᴘꜱ; SMPTE 4K TIMINGS (4096x2160); UHD 4K TIMINGS (3840x2160)
VIDEO ENCODING	RGB, YCʙCʀ
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	32ᴋ, 44.1ᴋ, 48ᴋ, 88ᴋ, 96ᴋ, 176ᴋ
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 2600ᴍᴀʜ 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

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