



MU-STIX-G and MU-STIX-A

STIX Test Ecosystem
Signal Generator and
Analyzer

Murideo's revolutionary compact MU-STIX-G pattern generator and MU-STIX-A analyzer are designed to function as a USB-controlled and monitored pair of signal transmission and data reception verification devices when deployed as part of the Murideo STIX Ecosystem. Asymmetrical individual configuration that mirrors the tested system's component composition is also possible.

Essential standalone test and validation procedures may be executed manually. The MU-STIX-G can toggle and send 12 different patterns via a button press to verify the integrity of the signal transmission path, endpoint reception by a display device, or as a convenient source substitution when troubleshooting an HDMI wall plate. The MU-STIX-G and MU-STIX-A can confirm HDMI extension device operation or troubleshoot MXnet TX/RX functionality by acting as substitute source and display/sink devices.

Performing solo or as a duet, Murideo's MU-STIX is an affordable, thumb-drive-sized, extra pair of on-site hands.

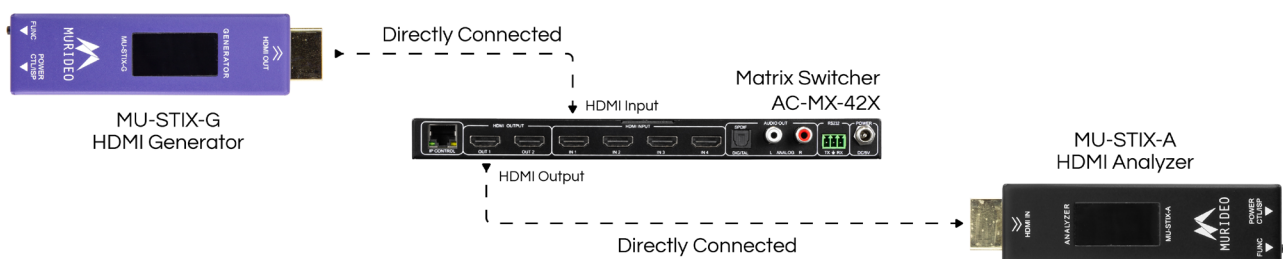
FEATURES:

- **Low-cost, rack-room or on-site test duo:** Test infrastructure passthrough, verify video display operation, confirm source output; MU-STIX-G and MU-STIX-A provide cost-effective and labor-saving on-the-spot troubleshooting and signal transmission solutions. It's a must for every tech's tool bag.
- **Transmit and monitor seven standard signal timings:** Generate 12 different test patterns at 720p and 1080p @ 60 fps, 4K @ 30 fps, 60 fps, and 120 fps, and 8K 30 fps, 60 fps and verify signal output through devices such as HDMI signal extension kits, AV-o-IP receivers, and configurable TCVRs, or laptop HDMI output. Additional information can be obtained, such as passthrough accuracy of color bit depth, color space, and audio codec, viewable via the onboard OLED display.
- **Asymmetrical use:** Murideo's MU-STIX-G and MU-STIX-A can be deployed independently. A single technician could deploy multiple MU-STIX-Gs in a rack environment, send HDMI signals through all distribution pathways, and successively check each destination endpoint solo with an MU-STIX-A, saving on-site labor.



Device Testing MU-STIX Application Diagram

Signal Path





**PRODUCT SPECIFICATIONS:
ANALYZER**

PRODUCT SPECIFICATIONS: GENERATOR

VIDEO	
HDMI Version	HDMI 2.1
HDCP Version	HDCP 2.3 and 1.4
HDCP ON/OFF	Yes
Resolution Timings	720P 60Hz, 1080P 60Hz, 4K 30Hz, 60Hz and 120Hz, 8K 30Hz and 60Hz
Video Encoding	RGB
Video Sampling Models	4:4:4, 4:2:2, 4:2:0
Color Bit Depth	8, 10 and 12
PORTS	
HDMI	Type A
Power, Control and Firmware	USB-C
ENVIRONMENTAL	
Operating Temperature	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 (Single Unit)	5v 270uA
DIMENSIONS	
Dimensions (Single Unit Only - Height/Depth/Width)	mm: 12 X 21 X 81.1 inch: .47 X .82 X 3.2
Weight (Single Unit)	27g / 1oz

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HDCP ON/OFF	Yes
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Video Encoding	RGB
Video Sampling Models	4:4:4, 4:2:2, 4:2:0
Color Bit Depth	8, 10 and 12
SIGNAL MONITOR	
Audio (2ch L-PCM)	
Signal Change	
Signal Loss	
Connection Time	
PORTS	
HDMI	Type A
Power, Control and Firm-ware	USB-C
ENVIRONMENTAL	
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