



MU-STIX-AF

STIX Test Ecosystem
Signal Analyzer with
HDMI Input Port

Murideo's MU-STIX-AF is a next-generation, ultra-compact HDMI 2.1 signal analyzer, purpose-built for today's professional AV installers and integrators. With its female HDMI connector and enhanced control interface, the STIX-AF expands the versatility and usability of the STIX platform for a wide range of HDMI signal verification tasks.

The STIX-AF supports both cutting-edge HDMI 2.1 (FRL) signals up to 48 Gbps and legacy HDMI (TMDS), making it ideal for analyzing modern and legacy signal paths. It can analyze video signals up to 8K/60 Hz and 4K/120 Hz. The onboard OLED screen and new level-switch interface offer an intuitive navigation experience, displaying a real-time thumbnail of the source signal, along with detailed video and audio parameters including resolution, timing, color space, audio type, sampling rate, and more.

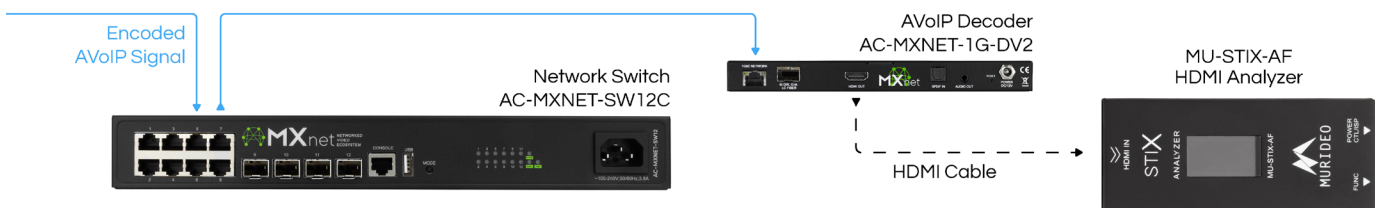
Designed for maximum flexibility in the field, the MU-STIX-AF features low power consumption and is USB Type-C powered, enabling operation from mobile devices, displays, or AV receivers. Rugged, reliable, and enhanced for usability, the MU-STIX-AF is an essential tool for professional-grade HDMI signal diagnostics.

FEATURES:

- HDMI 2.1b, 8K 48 Gbps (FRL) compliant
- Generates 720p, 1080p, 4K and 8K signal timings at 8-, 10-, and 12-bit Color Depths, in RGB, 4:2:0, 4:2:2, and 4:4:4 Color Spaces
- Detects signal changes, sync losses, and logs loss time
- OLED screen displays incoming video image, source timing, FRL version or TDMS, color space, color depth, and HDCP version
- Displays audio information, including incoming sampling frequency, bit rate size, and audio type
- STIX is compatible with any brand of HDMI devices



System Testing MU-STIX-AF Application Diagram





PRODUCT SPECIFICATIONS:

| VIDEO | |
|---|---|
| HDMI Version | 2.1 |
| HDCP Version | 1.4 and 2.3 |
| HDCP ON/OFF | No |
| Maximum Clock Rate | 600 mscs (1188 MHz) |
| Maximum Throughput per Channel | 12 Gbps (48 Gbps Total) |
| Resolution Timings | HDMI VICs up to 8K/30 Hz, DCI up to 4K/60 Hz, VESA DMT, VESA CVT-RB up to 600 MHz |
| Video Encoding | RGB, YCbCr |
| Video Sampling Models | RGB 4:4:4, YUV 4:4:4, YUV 4:2:2, YUV 4:2:0 |
| Color Bit Depth | 12-, 10-, 8-bit |
| AUDIO (DIAGNOSTIC ONLY) | |
| Audio Type | LPCM |
| Audio Sampling Rate | 32 kHz, 44.1 kHz, 48 kHz, 88 kHz, 96 kHz, 176 kHz, 192 kHz |
| Audio Channels | Up to 8-Channel |
| Audio Volume | No |
| PORTS | |
| HDMI | 19-pin Type-A, female |
| Power/Firmware&Control | USB Type-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) |
| Cooling | Passive |
| POWER | |
| Power | 5 V 540 mA |
| Power Consumption | 2.7 W Maximum |
| PHYSICAL / DIMENSIONS | |
| Dimensions (Unit Length/Width/Height) | mm: 12 x 32 x 82 inches: .47 x 1.26 x 3.22 |
| Dimensions (Packaged Length/Width/Height) | mm: 122 x 91 x 26 inches: 4.80 x 3.58 x 1.02 |
| Weight (Unit) | 0.09 lbs. (0.04 kg) |
| Weight (Packaged) | .34 lbs. (.15 kg) |
| *Specifications subject to change without notice. Mass & dimensions are approximate | |

BENEFITS:

LEVEL-SWITCH INTERFACE

Enhanced menu access versus the previous button-only interface.

LOW-COST, FLEXIBLE OUTPUT SOURCE

Cost-effective HDMI 2.1b, 8K 48 Gbps (FRL) compliant signal analyzer.

ANALYZE SIGNALS UP TO 8K

Analyzes 720p, 1080p, 4K, and 8K signal timings at 8-bit, 10-bit, and 12-bit color depths, in RGB, 4:2:2, and 4:4:4 color spaces.

LOW POWER DRAW

The MU-STIX-GF is powered over USB-A to Type-C (from device accessory ports) or Type-C to Type-C from a mobile device.

OLED COLOR SCREEN

An intuitive navigation menu displays incoming video thumbnail, source timing, FRL or TDMS presence, color space, color depth, and HDCP 1.4/2.X versions.

ULTRA-COMPACT FORM FACTOR

Packaged in a durable, foam-fit, compact protective tin container.

