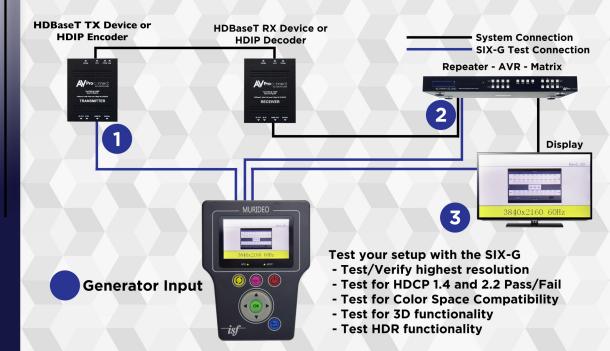# Fresco SIX-G Generator

part #SIX-G

THE NEXT GENERATOR

The Murideo SIX-G is for the AV integration market to confirm HDMI 2.0(a) and HDCP 2.2 operation at the 18 GBPS level. Additionally, the SIX-G is an excellent troubleshooting tool for distributed HDMI systems and a reference source for video calibration and is compatible with CalMAN.

One of the biggest challenges for integrators today is determining what infrastructure to put in the systems they design and further verifying that all of the components will work together. Over the past few years UHD TVs have been a mix of HDCP 2.2 and 1.4 – even to the point of varying by port.

HDBaseT TX Device or HDIP Encoder

HDBaseT RX Device or HDIP Decoder

System Connection
SIX-G Test Connection

Repeater - AVR - Matrix

Display

Generator Input

Test your setup with the SIX-G
- Test/Verify highest resolution
- Test for HDCP 1.4 and 2.2 Pass/Fail
- Test for Color Space Compatibility
- Test for 3D functionality
- Test HDR functionality

877-886-5112 | +1 605-782-2462 | www.Murideo.com

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

HDCP™
HIGH-BANDWIDTH DIGITAL CONTENT PROTECTION

HDR

HDBT™
ASE

Front

Active Video Format

HPD-Hot Plug Detect

Most Common Video Resolution Quick Select

HDCP - Select Ver 1.4, Ver 2.2 or HDCP Off

OK - Menu Select

MURIDEO

3840x2160 60Hz

HPD   HDCP

isf

Active Pattern

HDCP - Lock (Green Light)

Power On/Off

Arrows - Menu Navigation

Exit Menu

Top

HDMI Output connector Connect to HDMI input of device under test

L/R Stereo Input from external PCM audio source, to embed to HDMI output

RS-232 connector via 3.5 mm 3 pin receptacle. Tip is TX, Ring is RX, Sleeve is Ground.

Micro USB connector used for connection to CalMan and PC software control

Battery charging indicator

5v DC Input

Technical Specs

- HDMI 2.0(a) – 600Mcsc, 2160P60 4:4:4 maximum resolution
- HDR (High Dynamic Range) Injector, and management
- Video Bandwidth - 18 GBP/sec.
- HDCP 2.2 Compatible
- 48 Bit Per Pixel Color Depth Available
- 2600 MAH Battery
- DC 5V Power

Parameter	Specification
HDMI Version	HDMI 2.0
HDCP Version	HDCP 2.2 and 1.4
HDCP ON/OFF	Yes
Maximum Clock Rate	600 Mcsc (594 MHz)
Maximum Throughput per Channel	6.0 Gbits/sec (18 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; 4k timings; AUTO and 10 USER Defined
Video Encoding	RGB, YCbCr
Video Sampling Modes	RGB4:4:4, YUV4:4:4, YUV4:2:2, YUV4:2:0 HDMI2.0
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, Multibust, Black/White and Moving bars
Audio	LPCM
Audio Source	INT 1KHz test tone or EXT L/R IN
Audio Sampling Rate	32k, 44.1k, 48k, 88k, 96k, 176k
Audio Sampling Bit Size	16, 20 24, AUTO
Audio Channels	2
Audio Volume	Yes
Control	RS-232 and USB
Firmware	Field Upgradable
Power	5V DC Li-Ion Internal Battery or Wall Adapter
Battery Charger	Input 100-240VAC - 50/60Hz @.5A Output 5VDC @2A
Case	ABS
Size	5.4H x 4.2W x 1.2D
Weight	< 1 pound
Interface Connectors	
HDMI OUT	HDMI Type A
L/R Audio IN	
RS232	
Control	Micro USB
DC	

Features

- HDCP Select-able - 2.2, 1.4, None – Confirms if the system willwork or not
- Hot Plug Detect & HDCP lights
- Portable/Battery Operated
- EDID Read Functionality
- Create Custom Resolutions
- Audio Confidence Tests
- L/R Audio In
- Optimized Ergonomics – 3" Color Display, Simplified Menus
- Includes Free PC Control Software
- RS232 or USB Controllable

Video Calibration Specific Features

- ISF Certified – includes ISF Test Patterns like PLUGE, Chroma Multiburst, Color Girls & more.
- Over 40 patterns for setup, calibration and troubleshooting
- Virtually unlimited window patterns by using RGB Triplets and APL!
- RGB Triplet Support VIA software or direct dial on device
- APL (Average Picture Level) Support
- CalMan Supported
- Multiple moving test patters to verify image stability processing
- ANSI Contrast Test Pattern
- Reference Level Output