

# HDMI Tester

## VA-1844A

A portable handheld HDMI tester which analyzes the latest features of HDMI 2.0b and HDCP 2.2 in Real-time

**1.2kg**  
(2.7 lb)  
**Lightweight**



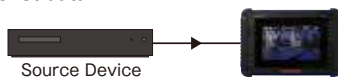
### Features:

- HDMI protocol analysis function for testing HDMI source devices like STB or BD players.
- Real-time video and audio check on 7-inch touch screen with a built-in speaker.
- Emulate sink devices by loading downstream EDID.
- Save log files and review it on PC.
- Standard GUI software supports Packet / DDC Log Viewer and EDID Editor.
- Trouble shooting function and various kinds of test modes make it perfect for field work.

### Test Modes and Applications:

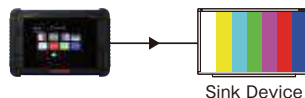
#### Receiver Mode (Sink Emulation)

Emulates TV or other sink devices with a preloaded EDID. Able to analyze: video/audio timing, HDCP 1.4/2.2 status, SCDC, InfoFrame and Packet data.



#### Generate Mode (Source Emulation)

Capable of generating a maximum of 4K/60p 4:4:4 timing signal to emulate source devices.



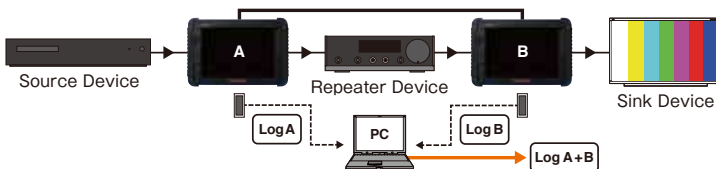
#### Through Mode (Cable Emulation)

By placing it between the source and sink device, the DDC/CEC line's direct communication can be checked.



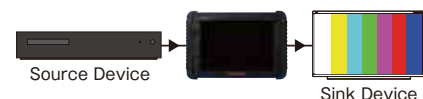
#### Two Units Synchronization Mode (Repeater Emulation \*Optional)

Another Through Mode to save log files with the same time-stamp on the input and output of a repeater device.



#### Repeater Mode (Repeater Emulation \*Optional)

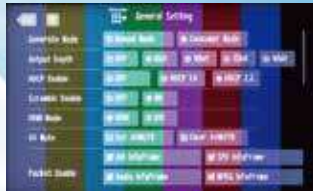
In order to check the behavior of a repeater device.



## Main Unit Menu:



Main Menu



Generate Settings



Test Pattern Selection



Analysis Results



Trouble Shooting Mode



HDCP Status



SCDC Status

## Standard GUI Software:



Main Menu



DDC Log Viewer



Packet Log Viewer



EDID Editor

## Specifications :

### HDMI Input / Output Specification

Item	Specifications
Connector	HDMI TYPE-A Connector x 2 ch
Scan Type	Progressive/Interlace
Dot Clock	25 to 594MHz
Color Format	RGB, YCbCr 4:4:4/4:2:2/4:2:0
Video Color Depth	8, 10, 12, 16 bits
Timing Format	CEA-861 *1
Audio Sampling Frequency	32kHz to 192kHz (L-PCM max. 8 ch)
Audio Type	IEC 60958, 61937
Audio Data Accuracy	16, 20, 24 bits
HDCP	Ver. 1.4, 2.2
CEC	Supported
EDID	Ver. 1.4 (DDC2B)

### Video Output Specifications

Item	Specifications
Video Data Depth	8 bits

Remarks>

\*1 Timing format limitation

1) CEA-861-F (VIC 1 to 107) timing is supported in 2D mode.

\*1680 x 720p/2560 x 1080p are not supported (VIC 91, 92)

\*VESA timings of lower than 300MHz are supported

### Audio Output Specifications

Item	Specifications
Sampling Frequency	32kHz to 192kHz *2
Output Frequency	20 to (Sampling Frequency/2) Hz, at 20Hz steps
Audio Source	L-PCM Sinewave
Audio Channel	2 ch
ARC	Supported

Remarks>

\*2 Supports only 32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz.

### General Specifications

Item	Specifications
Power Requirement	DC12V (10.8 - 19V) AC/DC adaptor included (100 - 240V)
Power Consumption	25W MAX
Dimensions	269 (W) x 182 (H) x 41 (D) mm (Excluding Protrusions)
Weight	1.25 kg
Operating Temperature Range	5 to 40°C
Operating Humidity Range	20 to 80%RH (No Condensation)

## Standard and Optional Accessories

● Standard



- Side Hand Strap
- USB Memory
- Instruction Manual (CD-ROM)

● Optional



LCD Protection Cover  
VA-1844A-03

● Optional



Hard Case (color selection)  
VA-1844A-05 (Black), VA-1844A-06 (Olive),  
VA-1844A-07 (Red), VA-1844A-08 (Orange)

● Optional



Soft Case  
VA-1844A-02

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