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

DC IN Connector (12V) USB Connector TRIGGER Connector HDMI IN Connector

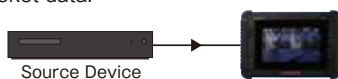POWER Switch DC IN Connector (12V) SYNC Connector HDMI OUT Connector

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.
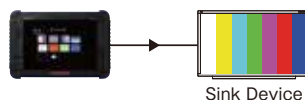
Test Modes and Applications:

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.

Source Device

Generate Mode (Source Emulation)

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

Sink Device

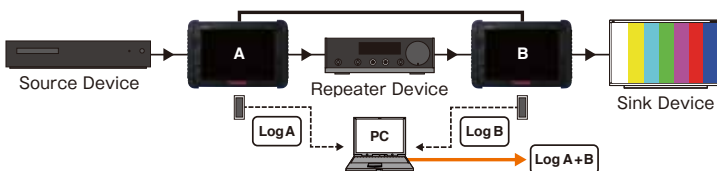### Through Mode (Cable Emulation)

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

Source Device   Sink Device

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.

Source Device   A   Repeater Device   B   Sink Device
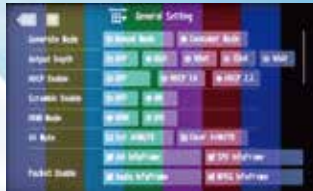
Log A   PC   Log B   Log A+B

Repeater Mode (Repeater Emulation *Optional)

In order to check the behavior of a repeater device.

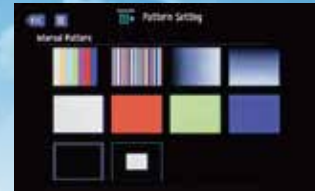Source Device   Sink Device

Main Unit Menu:

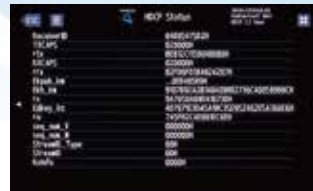Main Menu

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, YC$_B$C$_R$ 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℃
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