

HDMI 2.1 Protocol Analyzer

VA-1847



Features

Timing Format (Receiver Mode, Generate Mode)

- FRL (Fixed Rate Link) of 4 lanes of 12Gbps and TMDS of 3 lanes of 6Gbps signals are supported. (CTA-861-G)
- 8K/60p YCbCr 4:2:0 and 4K/120p YCbCr 4:4:4 are supported. (10K timings are not supported.)

Receiver Mode

- Information display: video/audio timing, InfoFrame, HDCP status and SCDC register status. Encoded signal by DSC1.2a is supported as well.
- Monitoring of CEC line and DDC line which is useful for confirmation of SCDC and HDCP.
- Log function: video, audio, InfoFrame, HDCP, CEC and DDC.

Repeater Mode

- VA-1847 is emulated as a repeater device, and user can confirm their products performance when connecting to the repeater.

ARC/eARC function

- Send/receive and analyze the ARC/eARC signals.

EDID

- Load the EDID of the Sink. Edit EDID data.

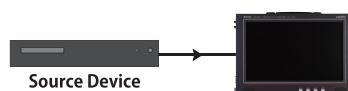
Compliance Test

- Pre-test of HDMI 2.1 Compliance Tests.

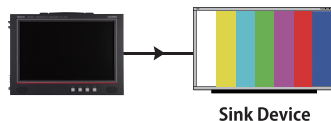
Test Function (trouble shooting mode)

- Perform series of confirmation for the trouble that frequently appears in between HDMI devices connection.
- 12-inch Touch Panel Display

Receiver Mode



Generate Mode

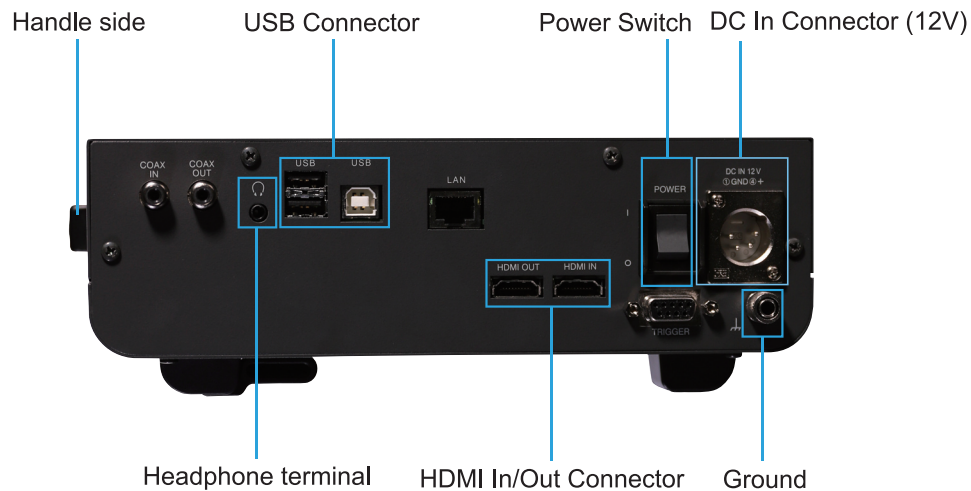


*Repeater Mode



* No video, only on-screen display

Side View



COAX IN/OUT, USB (PC communication) and Lan ports will be supported in future.

Update Schedule:

- FRL, TMDS timing formats are increased accordingly.

- October 2019

The following items to be supported: Repeater Mode, ARC Send/Receive function, Test function (trouble shooting mode), Terminal commands operation

Specifications

HDMI In/Out Specifications

Items	Description	
Video	Dot Clock	25 to 2376 MHz
	Color Format	RGB/YCbCr 4:4:4/4:2:2/4:2:0
	Data Bit	8, 10, 12-bit
Audio	Sampling Frequency	32 to 192 kHz (L-PCM 2 to 8ch)
	Format	IEC 60958, 61937
	Bit	16, 20, 24-bit
EDID	Ver1.4 (DDC2B)	
HDCP	Ver1.4/2.3	
ARC/eARC	Send and Receive	

General Specifications

Item	Description
Power Requirements	DC12V AC/DC Adaptor (100 to 240V)
Power Consumption	48W MAX
Operating Temperature Range	0 to 40°C
Operating Humidity Range	20 to 80% (No Condensation)
Dimensions	430 (W) × 44 (H) × 351 (D) mm (Excluding Protrusions)
Weight	Approx. 2.42kg

ETIMS

ELECTRONIC TEST INSTRUMENTS
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* The specifications are subjected to change without notice.

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