

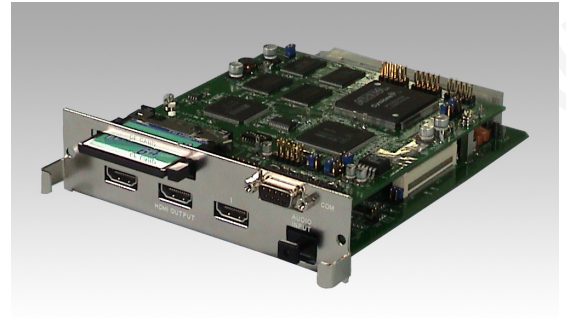
# TG35AX003

## HDMI Unit



### ■ Features

- ◇The TG35AX003 HDMI unit is an option board designed for the TG35 series digital test signal generator.
- ◇It is possible to evaluate 3 HDMI compliant equipments simultaneously with the TG35 series digital test signal generator.
- ◇It is possible to evaluate and compare simultaneously the characteristics of many different models that have Analog, DVI, ITU656 / 601 interface and HDMI input using the same test signal source.



### ■ Specifications

- ◇Number of HDMI (complied HDCP) outputs
  - : 3 outputs
  - 3 HDMI Tx devices with HDCP (Product Key) outputs.
- ◇Video clock frequency : 25 to 81 MHz
- ◇Internal audio oscillator outputs
  - Number of outputs : 2 (L / R)
  - Sampling frequency : 32, 44.1, 48 kHz (16 bit)
  - Output frequency/level : 400 Hz, 1 kHz, 3 kHz / 0, -18, -20 dBFS
  - Audio signals higher than 48 kHz are not available because limited specification of a HDMI Tx device.
- ◇External audio input frequency (SPDIF input)
  - : 32, 44.1, 48 kHz
  - Audio signals higher than 48 kHz are not available because limited specification of a HDMI Tx device.

### ■ HDMI Specification Ver. 1.1

- ◇Video formats
  - 60 Hz formats : 640 \* 480p, 720 (1440) \* 480i, 2880 \* 480i, 720 (1440) \* 240p, 2880 \* 240p, 720 \* 480p, 1440 \* 480p, 1280 \* 720p, 1920 \* 1080i
  - 50 Hz formats : 720 (1440) \* 576i, 2880 \* 576i, 720 (1440) \* 288p, 2880 \* 288p, 720 \* 576i, 1280 \* 720p, 1920 \* 1080i
  - Others formats : 1920 \* 1080p / 24 Hz, 1920 \* 1080p / 25 Hz, 1920 \* 1080p / 30 Hz
  - 1920 \* 1080p / 50 Hz and 60 Hz video formats are not available because limited specification of a HDMI Tx device.
- ◇Pixel Encoding : RGB; 4 : 4 : 4 / 8 bit, YCbCr; 4 : 4 : 4 / 8 bit, YCbCr; 4 : 2 : 2 / 8, 10, 12 bit
- ◇EDID display : The Sink data can be displayed in binary data.
- ◇Info Frame display : The Source data can be displayed in binary data.
- ◇HPD display : The Sink output can be displayed in High / Low.
- ◇Colorimetry : Conforms to SMPTE 170M and ITU-R BT.709-4 standards.
- ◇HDCP Key : Product Key function

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