

HDMI EDID Emulator Capabilities and Features (Software Release 1.11)

NOTE: HDCP authentication is not provided. Some sources disable the video after a few seconds if authentication does not occur. Note that the HDMI CTS requires that HDCP be turned off.

HDMI EDID Emulator Hardware Capabilities

- Includes all Capabilities of Wilder Product HDMI-TPA-E (E-EDID/Low-Frequency Control Board). Wilder Part Number 110-1006-000.
- Supports One and Two Block EDIDs Version 1.3 and 1.4
- An EDID may be presented to an HDMI Source DUT (Sink Emulation) (Purchase Option)
- An EDID may be acquired from an HDMI Sink DUT (Source Emulations) (Purchase Option)
- E-DDC (Enhanced Display Data Channel) 100 Kbits/sec I²C access.
- HPD can be set: float, 3.3V, 5.0V, or 0.0V
- CEC can be set: float, 3.3V, or 0.0V
- +5V (VCC) can be set: float, 3.3V, or 5.0V

HDMI EDID Emulator Software Capabilities

- PC Software Program operates the EDID Emulator HW via USB.
- EDIDs for presentation to and acquisition from DUTs are saved in PC Files.
- Selected EDID fields of EDID Files can be Edited in Place, Saved, and Downloaded to the Hardware for presentation to the DUT.
- SCDC Source and Sink Emulation.

HDMI EDID Emulator EDID Edit Capabilities

- Edits are performed on Existing EDID files.
- EDID 1.4b and EDID 2.0 starter files are provided.
- The user can View and/or Edit certain Parts of EDID Block 0.
 - Header (View)
 - Established Timing Bitmap (View; Edit)
 - Descriptors of types Detailed Timing, Dummy, Monitor Name, Monitor Range Limits, Unspecified Text, Monitor Serial Number (View; Edit)
 - Detailed Timing Descriptor fields may be filled with a CEA Format defined in CEA-861-F.
 - A Descriptor's Type may be changed using "Advanced Editing" (Purchase Option)
- The user can Edit certain Block 1 (CEA Extension) Fields.
 - CEA Header (View; Edit Descriptor Native Total and bits)
 - Short Video Descriptors Data Block (View; Edit: delete and add VICs)
 - HDMI Vendor Specific Data Block if Present (View; Edit except parts of 3D)
 - HDMI Forum Vendor Specific Data Block if Present (View; Edit)
 - Descriptors if Present (View; Edit)
 - A Descriptor's Type may be changed using "Advanced Editing" (Purchase Option)
- New in Software Version 1.11
 - CEA Video 4:2:0 Data Block Bitmap and Video 4:2:0 Only Data Block (View; Edit: delete)
 - CEA Video Preference Data Block (View; Edit: delete)

