

1T-TG-620 HDMI Test Generator provides a means to verify the correct operation of HDMI equipment such as monitors and projectors. Any device using an HDMI type input (or DVI-D with appropriate adapter) can be tested using several different types of signals. Provision has been made to embed either a 1Khz internally generated audio sinewave or an externally generated audio signal into the digital bitstream so that the integrity of the audio portion of the HDMI signal can be verified and, in addition, HDCP (High Definition Content Protection) functionality can also be tested thereby insuring that all video, audio and security components of an HDMI compliant display device are functioning properly.



Key Features of 1T-TG-620 HDMI Test Generator

- HDMI v1.2, HDCP 1.1 and DVI 1.0 Compliant
- 1.65Gbps Single Link HDMI Frequency Bandwidth
- VESA EDID v1.3 and EIA/CEA 861 Version 3
- Supports resolutions to WUXGA/60 and 1080p
- Supports Embedded Audio – Internal and External
- Infrared Remote Control

Specifications

Audio Input	1x S/PDIF Optical Connector
External Audio	1x S/PDIF Optical Connector
Video Output	1x via Type A HDMI Connector
HDMI (Note 1)	1x via Type A HDMI Connector
HDMI Transport	
Frequency Bandwidth	1.65Gbps (Single Link)
Supported PC Resolution	Up to WUXGA/60
Supported HDTV Formats	480p trough 1080p (Note 2)
Audio (Embedded)	1Khz Sine wave Int. or Ext.
Compliance	HDMI v1.2, HDCP V1.1, DVI 1.0
Special Feature	
HDCP Function Check	Via Internal Algorithm
Video Test Patterns	
36 Video Patterns	In 8 Groups
Control Methods	
Local Control	Front Panel via PB Switches
Remote Control	1x Infrared Remote Control
Warranty	
Limited Warranty	1 Year Parts and Labor
Mechanical	
Size (H-W-D)	1.2"x4.9"x4.9" (30x125x125mm)
Weight (Net)	0.72lbs (334g)

Environmental	
Operating Temperature	0° to +48°C (+32° to +120°F)
Operating Humidity	10% to 90%, Non-condensing
Storage Temperature	-10° to +70°C (+32° to +120°F)
Storage Humidity	10% to 90%, Non-condensing
Power Requirement	
External Power Supply	5VDC@2A
Regulatory Approvals	
HDMI Test Generator	FCC, CE, RoHS
Power Supply	UL, CUL, CE, PSE, GS, RoHS
Accessories Included	
1x AC Power Adapter	US, UK or Euro Type
1x Instruction Manual	
1x IR Remote Control	
Product Number	
1T-TG-620	HDMI Test Generator
Notes	
(1) DVID out is available using optional adapter.	
(2) The timing of the 1080i output resolution is very critical and may not be compatible with all displays.	

Panel Drawings

