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PLT2050D(High Speed Transmission Analyzer)

PLT2050D Overview

PLT2050D (High Speed Transmission Analyzer) is a powerful online testing machine. Based on real TMDS Tx and Rx protocol and high performance image processor, it can be used to test DVI/HDMI cable assembly in very short time. By this way, you will increase the competitiveness to the market.



The TX transmitter encodes parallel data and serially transmits an input data stream over a T.M.D.S link (DVI / HDMI Assembly) to the RX receiver. Then **PLT2050D** compares the different between input Streams and Recovered Streams, and show the result on the LCD platform.

Features:

- <<>>Easy to use instead of professional training,
- <<>>Support normal (3-5 seconds) testing and long time (around 10 seconds) for bending testing,
- <<>>Without TDR&NA requirement,
- <<>>Support test frequency up to 2.25Gbps,
- <<>>Automatic test when change DUT.

Testing Parameters:

PLT2050D will confirm HPD, SDA, SCL, CEC channel and the T.M.D.S link

<<>>TMDS Channel:

Clock, Channel2(R), Channel1(G), Channel0(B)

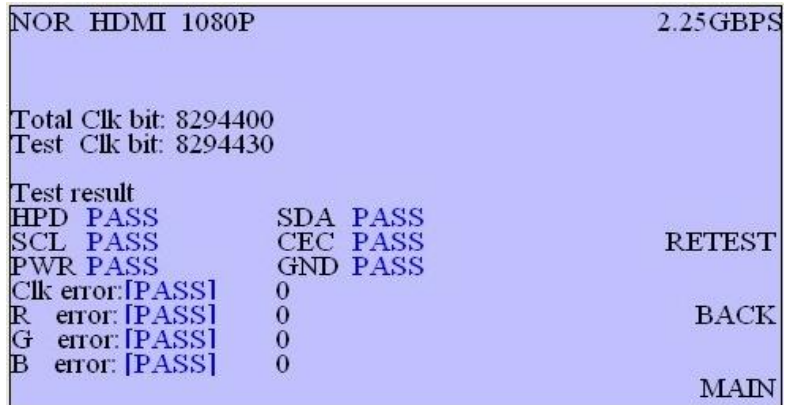
<<>>Electrical Channel:

HPD, Power, GND, SDA, SCL, CEC

Test Resolution:

PLT2050D can be used to test DVI /DVI assembly, HDMI to DVI assembly and HDMI to HDMI assembly. The test resolution includes:

- <<>>DVI: XGA 1024X768@60Hz 24bits
- <<>>DVI: SXGA 1280X1024@60Hz 24bits
- <<>>DVI: UXGA 1600X1200@60Hz 24bits
- <<>>HDMI: 480p 720X480@60Hz 24bits



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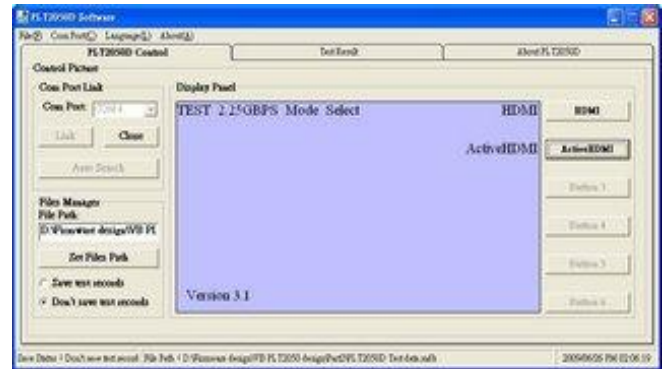
- <<>>HDMI: 720p 1280X720@60Hz 24bits
- <<>>HDMI: 1080p 1920X1080@60Hz 24bits
- <<>>HDMI: 1080p 1920X1080@60Hz 36bits

Software Supporting:

PLTHD for PLT2050D is pc based software, used to control and store test results from PLT2050D. It supports English and Chinese version.



(Chinese Version)



(English Version)

Testing Report:

The test result is stored into database.

TestTime	Frequency	TestMode	TestResolution	HPD	SDA	SCL	CEC	POWER	GND
2009/6/26 下午 05:09:40	1.65GBPS	HDMI Long Time	1080P	PASS	PASS	PASS	PASS	PASS	PASS
2009/6/26 下午 05:09:50	1.65GBPS	DVI Normal Time	1600 X 1200	PASS	PASS	PASS	PASS	PASS	PASS
2009/6/26 下午 05:09:55	1.65GBPS	DVI Normal Time	1600 X 1200	PASS	PASS	PASS	PASS	PASS	PASS
2009/6/26 下午 05:09:58	1.65GBPS	DVI Normal Time	1024 X 768	PASS	PASS	PASS	PASS	PASS	PASS
2009/6/26 下午 05:10:04	1.65GBPS	DVI Normal Time	1280 X 1024	PASS	PASS	PASS	PASS	PASS	PASS
2009/6/26 下午 05:10:10	1.65GBPS	HDMI Normal Time	1080P	PASS	PASS	PASS	PASS	PASS	PASS
2009/6/26 下午 05:10:14	1.65GBPS	HDMI Normal Time	480P	PASS	PASS	PASS	PASS	PASS	PASS
2009/6/26 下午 05:10:19	1.65GBPS	HDMI Normal Time	1080P	PASS	PASS	PASS	PASS	PASS	PASS
2009/6/26 下午 05:10:42	1.65GBPS	HDMI Long Time	1080P	PASS	PASS	PASS	PASS	PASS	PASS
2009/6/26 下午 05:10:58	1.65GBPS	HDMI Long Time	480P	PASS	PASS	PASS	PASS	PASS	PASS
2009/6/26 下午 05:11:15	1.65GBPS	HDMI Long Time	720P	PASS	PASS	PASS	PASS	PASS	PASS
2009/6/26 下午 05:11:34	1.65GBPS	DVI Long Time	1024 X 768	PASS	PASS	PASS	PASS	PASS	PASS
2009/6/26 下午 05:11:51	1.65GBPS	DVI Long Time	1600 X 1200	PASS	PASS	PASS	PASS	PASS	PASS
2009/6/26 下午 05:11:55	1.65GBPS	ActiveHDMI Normal Time	1080P	PASS	PASS	PASS	PASS	PASS	PASS

(Test report)

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PLT2050D(High Speed Transmission Analyzer)

Accessory:

<<>> TX and RX Module

DT15A (TX) and DR15A (RX) supporting up to 1.65Gbps

<<>>EYE Module

<<>> LED Module

<<>>Power Cable

<<>>DVI to HDMI Cable



Option:

<<>> TX and RX Module

DT25A (TX) and DR25A (RX) supporting up to 2.25Gbps

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