

 <b>TELEDYNE LECROY</b> <i>Everywhere you look™</i> <b>quantumdata™</b>		HDMI 1.4 Protocol Analyzer	HDMI 1.4 Generator / Analyzer	DisplayPort 1.4 Generator / Analyzer	DisplayPort 1.2 Generator / Analyzer	HDMI 2.0 Video Generator	HDMI 2.0 Protocol Analyzer	Phy & Protocol Aux Analyzer	12G-SDI Video Generator	804 Video Generator	804A Video Generator 300MHz	804B Video Generator 600MHz	780 Video Generator / Analyzer	780AH Video Generator / Analyzer	780BH Video Generator / Analyzer	780C Multi-Interface Interop Tester	780D Protocol Analyzer / Generator	780E Protocol Analyzer / Generator	
<b>Form Factor</b>																			<b>Notes on Form Factor</b>
Desktop		•	•	•	•	•	•	•	•	•	•	•							
System – Module-Based		•	•	•1	•	•	•	•	•										
Rack-Mountable		•1	•1		•1	•1	•1	•1	•1	•	•	•							
Handheld													•	•	•	•	•	•	•
Battery Powered													•	•	•				
<b>Command and Control</b>																			<b>Notes Command and Control</b>
Front Panel Touch Screen		•1	•1	•	•1	•1	•1	•1	•1	•	•	•	•	•	•2	•2	•2	•2	•2
GUI Application From Connected Host PC		•	•		•	•	•	•	•										
Command line – RS-232				•						•	•	•			•	•	•	•	•
Command line – USB				•						•	•	•			•	•	•	•	•
Command Line - Ethernet		•	•		•	•	•	•	•										
<b>Interface Technology / Feature</b>																			<b>Notes on Interface Technology /</b>
HDMI 225 MHz Tx Port		•1	•			•	•1	•		•	•	•	•	•	•	•	•	•	•
HDMI 300 MHz Tx Port		•1	•			•				•	•	•	•	•	•	•	•	•	•
HDMI 600 MHz Tx Port						•													
HDMI 225 MHz Rx Port		•	•				•	•					•	•	•	•	•	•	•
HDMI 300 MHz Rx Port		•	•											•	•	•	•	•	•
HDMI 600 MHz Rx Port																			•
MHL 1.2, 1.3, 1.4, 2.0, 2.1 & 2.2 Tx Port		•2	•2				•2												
MHL 1.2, 1.3, 1.4, 2.0, 2.1 & 2.2 Rx port		•2	•2	•			•2												
DisplayPort 1.2 HBR2 Link Rates Tx Port				•	•														•
DisplayPort 1.2 HBR2 Link Rates Rx Port					•														•
DisplayPort 1.4 HBR3 Link Rates Tx Port				•															•
DisplayPort 1.4 HBR3 Link Rates Rx Port				•															•
DVI Single Link Tx Port		•1,3	•3				•3										•	•	•
Single Link 3G-SDI 2.97 Gb/s Tx Port									•										•
Single Link 3G-SDI 2.97 Gb/s Rx Port																			•
Single Link SDI Tx Ports: (HD, 3G, 6G, 12G-SDI)									•										•
Dual Link SDI Tx Ports: (DL-HD, DL-3G)									•										•
Quad Link SDI Tx Ports: (QL-HD, QL-3G-SDI)									•										•
HDBaseT 300 MHz Tx Port		•4	•4				•4			•4	•4	•4	•4	•4	•4	•4	•4	•4	•4
HDBaseT 300 MHz Rx Port		•4	•4				•4						•4	•4	•4	•4	•4	•4	•4
<b>Compliance Test Support</b>																			<b>Notes on Compliance Test Support</b>
HDCP 1.4 HDMI Source Compliance Test		•																	
HDCP 2.2 HDMI Source, Sink, Repeater		•		•			•												
HDCP 2.2 DP Source, Sink, Repeater Compliance					•														
HDCP 1.4 MHL Source, Sink, Repeater Compliance		•1																	
HDMI 1.4 TMDS Source Compliance Test		•3																	
HDMI 1.4 TMDS Sink Compliance Test		•3																	
HDMI 1.4 TMDS DDC Source, Sink Compliance								•											
HDMI 2.0 TMDS Source Compliance Test		•2,3					•2,3												
HDMI 2.0 TMDS Sink Compliance Test		•2,3					•2,3												
MHL 1.2, 1.3, 1.4, 2.0, 2.1 & 2.2 Source, Sink		•1,2																	
MHL CBUS 1.2, 1.3, 1.4, 2.0, 2.1 & 2.2 Compliance																			
HDMI 2.0 CEC Compliance Test								•											
HDMI 2.0 HDR Compliance Test Source								•											
HDMI 2.0 HDR Compliance Test Sink							•												
HDMI UHDA Compliance Test Source								•											
HDMI UHDA Compliance Test Sink							•												
<b>Functional Tests (Sources)</b>																			<b>Notes on Source Functional Tests</b>
Real Time Data Viewing – Timing, Metadata, Video		•	•	•2	•2		•1						•	•	•	•	•	•	•
Capture/Store - Detailed Protocol, Metadata, Video		•		•2	•2		•1												
EDID Emulation – Test Source Response		•		•	•2		•1						•	•	•	•	•	•	•
DP DPCD Emulation and Editing				•	•														•
DP Multi-Stream Transport Emulation				•	•														•
HDMI HDCP 1.4 – Verify Authentication		•	•				•						•	•	•	•	•	•	•
HDMI HDCP 2.2 – Verify Authentication		•		•4			•						•	•	•	•	•	•	•
Monitor HDMI DDC, CEC Bus & DP Aux Chan w/		•3	•3	•	•4		•3						•3	•3	•3	•3	•3	•3	•3
Timing Analyzer – Verify Timing (Snapshot)			•		•		•						•	•	•	•	•	•	•
Timing Analyzer – Verify Timing (Continuous)		•																	
Frame Compare Test for Far End Network Test		•											•	•	•	•	•	•	•
TMDS Passive Monitor with Encrypted Link		•																	•
HDMI HDR Function Tests																		•5	•5
<b>Functional Tests (Sinks)</b>																			<b>Notes on Sink Functional Tests</b>
Video Pattern Testing		•1	•			•	•			•	•	•	•	•	•	•	•	•	•
Audio Signals – General LPCM Audio Tones		•1	•			•	•			•	•	•	•	•	•	•	•	•	•
Audio Signals – General Compressed Audio		•1	•			•	•			•	•	•	•	•	•	•	•	•	•
EDID Verification – View EDID Content		•	•			•	•			•	•	•	•	•	•	•	•	•	•
DP DPCD Verification – View DPCD Registers				•3			•												•
HDMI / HDBaseT / DP HDCP 1.4 Authentication		•2	•2	•3	•3	•2	•2			•2	•2	•2	•2	•2	•2	•2	•2	•2	•2
HDMI / DP HDCP 2.2 Authentication Test		•2			•3	•2						•2		•2	•2				•
View HDMI SDCDC Registers				•		•													•
DP Link Training Control, Monitoring and				•	•														•
DP Multi-Stream Transport Verification				•3	•														•
Monitor HDMI DDC, CEC Bus & DP Aux Chan with		•2	•2		•3	•2				•2	•2	•2	•2	•2	•2	•2	•2	•2	•2
HDMI CEC Message Verification & Emulation			•							•	•	•	•	•	•	•	•	•	•
HDMI CEC Testing – Corrupt Bits, Timing, Ack, etc			•																•
HDMI HDR Functional Tests							•												•
<b>Functional Tests (Cables/Links)</b>																			<b>Notes on Cables/Links) Functional</b>
Cable & Link Pixel Error Test (loopback)		•1					•						•1	•1	•1	•2	•2	•2	•2
Passive Monitor HDMI or DP Aux Channels		•1		•									•1	•1	•1	•2	•2	•2	•2