

Military Products - Selection Guide

- 802BT-CASS Video Test Generator
- 780 Series Handheld Test Instrument
- 980R Test Platform & Modules
- 881D Multimedia Test Instrument
- 701 Video Test Generator

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780 Handheld Test Instrument

		Product Family >	802 Series			88xD Video Test Instruments	980R Test Platform		Handheld Test Instrument			701A
		Product/Hardware >	802BT	802R	802BT-CASS	882	HDM 1.4 VG	DP 1.2 VG	780	780A/B	780C	701A
Interface Technology / Feature	Description											
Tx HDMI 165MHz	Tests HDMI sink devices up to 165MHz	•1	•1	•1	•	•	•	•	•	•	•	•5
Tx HDMI 225MHz	Tests HDMI sink devices up to 225MHz				•	•	•	•	•	•	•	
Rx HDMI 225 MHz	Test HDMI source devices up to 225MHz				•	•	•	•	•	•	•	
Tx HDMI 300MHz	Tests HDMI sink devices up to 300MHz				•	•	•	•	•	•	•	
Rx HDMI 300MHz	Test HDMI source devices up to 300MHz				•	•	•	•	•	•	•	
Tx DP 1.1 HBR1 (2.7Gb/s link rate)	Tests DisplayPort sink devices at HBR1 link rates of 2.7Gb/s				•	•	•	•	•	•	•	
Rx DP 1.1 HBR1 (2.7Gb/s link rate)	Test DisplayPort source devices at HBR1 link rates of 2.7Gb/s				•	•	•	•	•	•	•	
Tx DP 1.2 HBR2 (5.4Gb/s link rate)	Tests DisplayPort sink devices at HBR2 link rates of 5.4Gb/s				•	•	•	•	•	•	•	
Rx DP 1.2 HBR2 (5.4Gb/s link rate)	Test DisplayPort source devices HBR2 link rates of 5.4Gb/s				•	•	•	•	•	•	•	
Tx HDBaseT 300MHz	Tests HDBaseT sink devices up to 300MHz				•	•	•	•	•	•	•	
Rx HDBaseT 300MHz	Test HDBaseT source devices up to 300MHz				•	•	•	•	•	•	•	
Tx DVI Single Link	Test DVI sink devices with single link displays	•2	•2	•	•2	•	•	•2	•2	•2	•	•1
Tx DVI Dual Link	Test DVI sink devices with dual link displays		•1									
Tx Analog TV Composite	Test composite analog SDTVs – BNC and S-Video	•1	•1	•1								•
Tx Analog TV Component	Test component analog HDTVs – BNC and VGA (HD-15)	•3	•3	•	•3			•3	•3	•3		•3
Tx Analog PC RGB	Test analog RGB displays – VGA (HD-15)	•	•	•	•			•	•	•		•
SDI/HD-SDI	Single link SDI output											•1
3G-SDI	3G-SDI output											•
EGA	TTL digital output			•1								
Functional Test Features (Sinks)												
Video Pattern Testing	Run pattern tests using standard patterns and timing formats	•	•	•	•	•	•	•	•	•	•	•
Audio Test Patterns	Run audio tests with uncompressed and compressed formats	•4	•4		•	•	•	•	•	•	•	•6
EDID Verification	Read and verify sink EDID in human text	•	•		•	•	•	•	•	•	•	•
HDCP Verification	Verify sink HDCP authentication	•	•		•	•	•	•	•	•	•	
DPCD Verification	Read and verify DP sink DPCD in human text	•	•		•	•	•					
Functional Test Features (Sources)												
EDID Emulation	Emulate any EDID and test source response				•	•	•	•	•	•	•	
Timing Analyzer	View timing data, compare with standard timing				•	•	•	•	•	•	•	
Viewing audio/video metadata	View HDMI or DP metadata such as data islands from sources				•	•	•	•	•	•	•	
Frame Compare Test	Test for pixel errors with "golden frame"				•	•	•	•	•	•	•	
Cable Test	Test digital cables and distribution networks				•	•	•	•	•	•	•	
Special Features												
Special Sync	Trigger scope/camera w/ programmable pulse anywhere in video	•	•	•	•							
F-16 Option	2V output on analog component	•1	•1									
Operation												
Control Knobs/buttons	Knobs/buttons for selecting formats and images	•	•	•								•
LCD Status Display	2 or 4 Line LCD for viewing status of video generator	•	•	•								•
Touch Display	Touch screen display for controlling and viewing video generator data				•	•	•	•	•7	•		
USB Command Line	Control the instrument via command set through USB port				•	•	•	•	•	•		
RS-232 Command Line	Control the instrument via command set through RS-232	•	•	•								•
GPIO Command Line	Control the instrument via command set through GPIO	•1	•1	•								
Networking	Control instrument remotely through Ethernet LAN					•	•					
Web-Based Control	Web based applications for running tests with instrument				•							
Notes:	<ol style="list-style-type: none"> Optional feature. Single Link DVI also available through HDMI connector with adapter. 802BT up to 200MHz analog; 802R-300 up to 300MHz analog; 802R-400 up to 400MHz analog; 882D up to 400MHz analog; 780 up to 80MHz analog; 701A up to 150MHz analog. Uncompressed audio formats only. HDMI video available through DVI output; no HDMI specific features such as: audio and no data islands. 2-channel analog audio test tones only. 780B has a 7 inch touch display; 780A has a smaller 4.5 inch color touch display. 											