804 Multimedia Test Instrument
The Model 804 Multimedia Test Instrument…

…Quantum Data’s solution for testing HDTVs in manufacturing
Key Features and Benefits

- **Four (4) HDMI outputs.** Up to 36-bit/pixel (12-bit/component) Deep Color at 1080p. TMDS link up to 2.25 GB/s.
- **Analog video outputs.** Component and composite analog video outputs.
- **Standard video timings and patterns.** Supports standard video timings and test patterns including 3D test patterns.
- **Fast switching between timings and test patterns.** Switches between test patterns and timings in less than 100ms.
- **HDMI protocol tests.** Runs quick tests on HDMI protocols such as HDCP, EDID and CEC.
- **HDMI and analog audio outputs.** Supports testing of HDMI un/compressed audio formats.
- **Digital audio inputs.** Tests an HDTV’s digital audio outputs—SPDIF and optical (future).
- **Rack mountable.** Fits in a standard 19” relay rack. Occupies two rack units.
- **Color touch display.** Provides color touch display for control and status monitoring.
- **Serial command line interface.** RS-232 interface for control through automated test system.
- **Attachable Keyboard.** Connect keyboard to RS-232 or USB host interface.
804 Front Panel Interfaces

- 480 x 272 color touch display provides instrument status and user control.
- LED indicators for RS-232 interface.
- USB Host interface for optional attachable keypad.
- Can be rack mounted or placed on a bench top or cabinet.
804 Rear Panel Interfaces

- Four (4) HDMI interfaces. Active simultaneously.
- VGA / Component output for testing HDTV analog inputs.
- CVBS and S-VIDEO outputs for testing HDTV composite and Y/C video inputs.
- (3) BNC component outputs for testing HDTV analog component video inputs.
- (2) Analog audio outputs for testing HDTV analog audio inputs.
- SPDIF/Optical audio input for testing HDTV digital audio outputs (future).
- RS-232 command line interface for controlling 804 via with automated test systems.
Mounting Options

- Occupies 2 rack units in a standard 19” relay rack.
- Or place on desk top or in cabinet.
Four (4) HDMI Outputs

- All HDMI outputs active simultaneously.
- Supports DeepColor up to 36-bit/pixel at 1080p60 (12-bit / component).
- Standard patterns including 3D test patterns.
- Switching between standard timings and patterns is fast...less than 100ms.

No need for 1x4 repeater
Touch Screen Operation

- 480 x 272 color touch screen for basic operation.
- Select patterns, output, timings, etc.
Touch Screen Provides Status for Command Operation

- Status mode for monitoring the output, timings and patterns.
- Display shows status when 804 is controlled through command line, keypad or automated test system.
- Command syntax compatible with Quantum Data 802 series test generators.

MLT Status
- Current Format: 720p 60Hz (720p60)
- Current Image: Ramp/Stair (Ramp)
- Current Interface: HDMI
- RS-232 Baud: 9600
- SW: 10052855, FPGA: 10051903

XVSI 4 (HDMI)
FMTL 1080i30
IMGL decoder
Special Protocol Tests

- Run HDCP, EDID and CEC protocol tests.
- Initiate through front panel or command line (future).
- Monitor status on 804 front panel.

Select test e.g. HDCP

Run test

Monitor status
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