VQS-200

HDMI/SPDIF

Media Player & Reference Source

VideoQ, Inc
www.videoq.com

Target Applications

Additional Content on USB Flash or HDD

HDMI, SPDIF

VideoQ VQL
Set of Test Patterns in the internal memory

*Optional **BluRay Disk***
Sub-set of VQS-200 Content
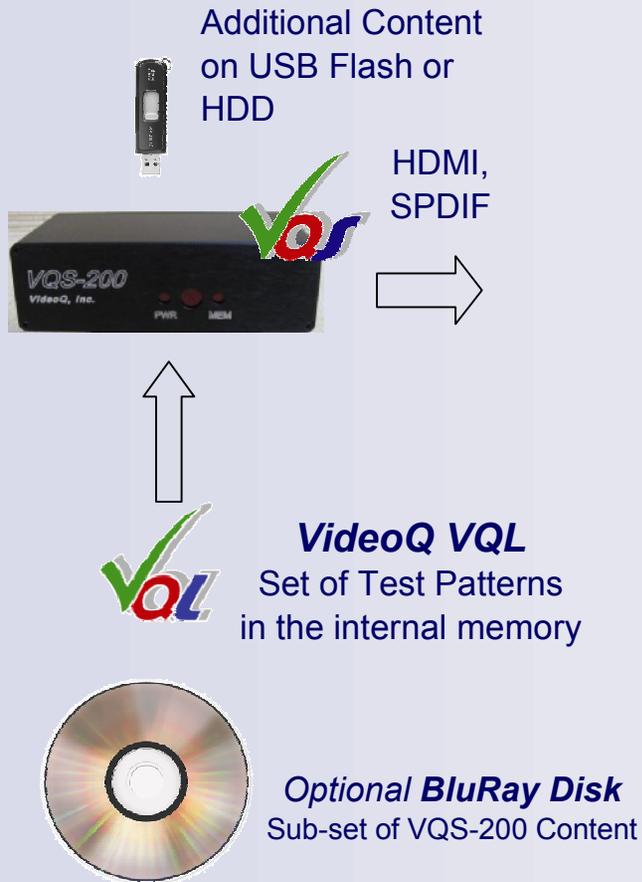
Compact size tool, loaded with unique sophisticated set of static and dynamic test patterns up to 1080p@60fps, ideally positioned for applications in:

§ Broadcast and Prosumer Studios

§ Home Theater Installation & Calibration

§ Engineering & Development

§ Shows & Exhibitions

§ Technical Training

§ Benchmarking

§ AV Retail

§ AV Repairs

VQS-200 Key Features

- HDMI 1.3 output:
  - 16-235 and 0-255 level schemes switchable by test file selection

- Multi-format SD and HD playback:
  - 480p@60, 576p@50, 720p@50, 720p@60
  - 1080i@50, 1080i@60, 1080p@24, 1080p50, 1080p@60

- Video Codecs & Formats:
  MP2, MP4, H264/AVC, VC1; AVI, MP4, VOB, TS, M2TS

- SPDIF 5.1 and Analog Audio (L+R) out

- Audio Codecs & Formats:
  WAV 5.1, AAC-ADTS, AC3, MP3

- Auxiliary CVBS output (**NTSC/PA**L)

- Flexible pixels mapping and scaling:
  - No scaling (dot-by-dot), if file resolution matches HDMI resolution
  - Up- and down- scaling to match the HDMI resolution, if AutoScaling=On

- Easy Navigation thru straight forward folders and files with Remote Control

- Slide-show with adjustable speed:
  - BMP images, including Static Test Patterns

- Easy expansion with any external USB storage device: live clips, user content, etc.

USB, HDMI, SPDIF, CVBS. Analog Audio

Folders & File Names for easy navigation

On-screen Menu

VQL Test Patterns Families

1. **Live Clips**
   Critical materials in a variety of resolutiions and frame rates

2. **Static Basic Tests**
   Aimed at testing YUV/RGB levels and YUV/RGB frequency response

3. **Static Advanced Tests**
   Aimed at checking display gamma, color space conversion (matrixing) and gradations linearity

4. **ScalTracker (Visual) Test:**
   Dynamic test aimed at testing cascaded scalers, aspect ratio convertors and frame rate convertors

5. **ZonTracker Test**
   Multi-purpose universal dynamic test to check overall video performance thru scalers, codecs, etc

6. **Color Space Explorer**
   Visualize color space transformations, smoothly going thru all 16 millions colors in 8 bit YUV space

7. **Dynamic Contrast Tests:**
   Allows at glance assessment of luminance gradations rendition - static and dynamic, global and local

8. **Audio Tests**

Static Test Patterns are in uncompressed BMP 24 bit format; 0-255 and 16-235 level schemes
Dynamic Test Patterns are typically in high bitrate AVC-TS or AVC-M2TS formats
Audio Tests are in WAV 5.1, AAC-ADTS, AC3 and MP3 formats

Semi-custom and full custom SD and/or HD versions of VQL test patterns are available on request, as well as custom patterns, patterns with user's logo, etc.

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