

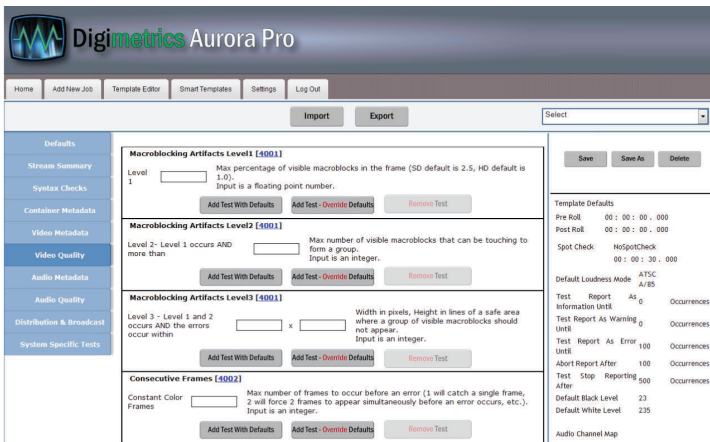
Digimetrics

File-Based Test & Measurement Solutions

The Business Case for Adopting Digimetrics Aurora For Your File-Based Quality Control

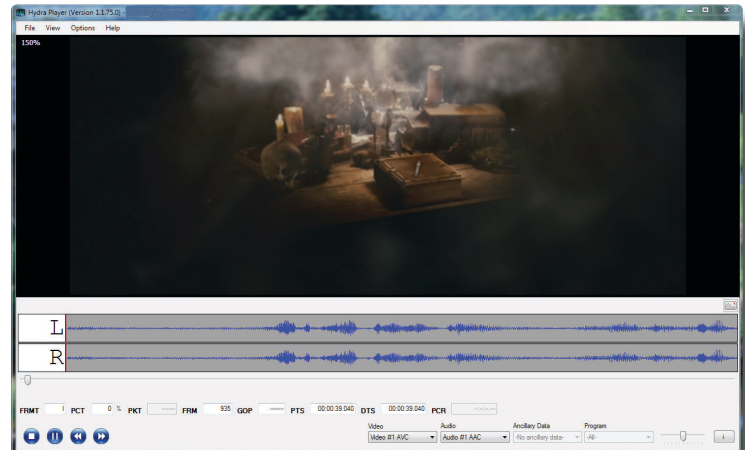
Aurora File-Based QC

High volume, automated, no reference, file-based QC with easy-to-use web client and efficient fault reporting



Hydra Frame Accurate Player

Guaranteed frame accurate and frame synchronous player for any container and essence that Aurora can test



Technically, operationally and commercially, Aurora offers the modern file-based media organization a convincing business case to be adopted as the QC tool of choice:

Technically:

Aurora offers the most complete container and codec support, the most baseband quality measures and the easiest to integrate and install platform available in the market.

Operationally:

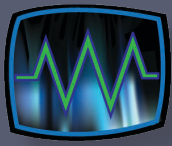
Aurora enables custom test template creation, has an intuitive web interface and a frame accurate player for efficient analysis of faults.

Commercially:

Aurora offers the ability to reduce cost with faster file QC test throughput for high volumes of files, and a flexible licensing model.

- 1 Faster QC Analysis:** Aurora quality tests are faster with guaranteed performance, using the power of nVidia's CUDA technology to use the GPU as well as multi-core processing.
- 2 Frame Accurate Viewer:** Aurora is closely integrated with our Hydra Player, enabling operators to easily and efficiently jump to the exact frame of a reported issue.
- 3 More File Wrappers and Codecs Supported:** Aurora supports more video and audio codecs, ancillary data types and container/wrapper file types (and supports newly launched ones sooner) than any other solution on the market.
- 4 Comprehensive Test Parameter Portfolio:** Aurora provides you with a wide portfolio of QC tests, many unique to Digimetrics, enabling reliable fault detection.
- 5 Easier To Integrate Into Your Workflow:** Designed for automated workflows, with processes built around a web-services API and native hot/watch folder monitoring.
- 6 Easy to Deploy:** Aurora API and user interface are all web-based on a Windows server back-end, allowing rollout in Windows, Mac OS and Linux environments.
- 7 Customizable Test Templates:** Your test specification can quickly be imported into Aurora using our browser-based template editor to customize your content verification.
- 8 Easy, Intuitive User Experience:** Intuitive browser-based user interface, with easy to access help system for each test and simple to read XML-based fault reports.
- 9 Fewer False Positives:** Aurora focuses on identifying issues that can be seen and heard, using perception-based artifact detection, multi-level block noise analysis, silent black/freeze frame detection and filtered audio noise detectors.
- 10 Trust Your Files Downstream, Faster:** Remove the QC bottleneck from your operation with Aurora's faster and more accurate QC analysis...get your media assets making money.

The File-Based QC Tool of Choice for the Modern Media Organization



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Container Wrapper Support

MXF (All OP, including AMWA defined AS, RDD-9, P2, SxS), Transport Stream, Elementary Stream, Program Stream/VOB, AVI, WMV/ASF, QuickTime/MOV, GXF, MP4, 3GPP, LXF, R3D, DPX, DXW. Digimetrics can also add support for custom containers.

Video Codec Support

H.264 (AVC/AVC-Intra/MVC 3D), MPEG-2 (including XDCAM, IMX and D-10), ProRes, JPEG 2000, DNxHD (VC-3), Cineform (VC-2), VC-1 (and WMV), DV/DVCPRO, Flash VP-6/7, RAW (Huffman, YUV, RGB, Blackmagic), RED, EXR, DPX

Audio Codec Support

PCM Audio (WAV/AES/BWF), Dolby Digital (AC-3), DD+ (EAC-3), Dolby TrueHD (MLP), Dolby E, AAC, HE-AAC, WMA Standard/Pro, MPEG-2 (L1,2,3), MPEG-1

Standard Test Support

Metadata Restrictions (Container, Video, Audio), Macroblock Noise, Black/Freeze Frames with Silence, Letterboxing/Pillarboxing, Peak Audio Levels, Silence, Clipping, Test Tones, Audio Snaps/Clicks/Pops, Channel Phase Detection

Professional Test Support

Rude Word Detection in Captions, Macroblock Cloud Detection, QP-Based Blurring, Comb Artifacts, Field Swaps, Tape Hits, Perception-Based Artifacts (Film & Analog Noise), Average Loudness (A/85, R128, ARIB), Mono Audio Detection in Stereo Pair, HardingFPA Certified Flash/PSE Detection

Distribution & Syntax Support

Syntax Tests (MPEG-2, H.264, MVC, VC-1, AC-3, Dolby E, 608 & 708 captions, DVB subtitles, teletext, Transport/Program Stream, GXF, MXF), CableLabs VOD, iTunes, XDCAM, ATSC, DVB, ISDB/ARIB, AS-02

QC Test Speed

SD files can process 2x to 5x faster than real-time. Most HD files perform real-time or faster with the multi-core CPU support combined with the nVidia GPU. Performance can be guaranteed by GPU/CPU allocation.

Systems Integration

Windows service back-end, WSDL-based SOAP API and web browser-based user interface. Client facing components allowing for rollout on Windows, Mac OS or Linux environments. Hydra Player on Windows only.

System Scaling

Starts with 1 Verification Unit (VU) to test one file at a time. Expand QC capacity by adding verification units on the same physical machine, or on separate physical or virtual machines. No limit on additional VUs. High Availability options possible with physical and virtual machines.

About Digimetrics

Located in Cushing, Oklahoma, Digimetrics is a business unit of DCA, Inc. that has been focusing on delivering the best in file-based QC since 2008 using the latest technologies and innovative new developments.

Digimetrics builds on over 20 years of DCA experience in content analysis.

Digimetrics offers high quality and reliable QC products for the modern media organization, and prides itself on being a trusted supplier.

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