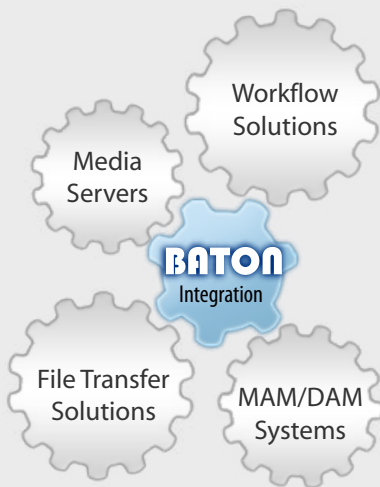


Content Readiness – Any Content... Any Stage

Baton – Advantages

- Industry leader in Automated Content Verification or File-based QC software
- Superior Format support
- Most Comprehensive Quality checks
- Production-proven Enterprise-class solution

Baton – Integration



File-based digital media creates opportunities to improve operational efficiencies in terms of content throughput, management, and monetization. From Content Creation to Playout, file-based content can be transformed and transferred faster. However, the increased flexibility and speed of file-based workflows also introduces new challenges to ensure that the content quality is intact as it moves across various stages of content lifecycle. There is a need for a consistent QC, independent of any tools or workflows that transform the file-based media content.

Interra's Baton is an Automated Content Verification or File-based QC Software that ensures Content Readiness in file-based SD, HD, and mixed workflows. Baton advantages include maximum formats support, most comprehensive quality checks, fastest verification and integration with servers/software in all stages of content lifecycle. Baton is deployed in production by global media companies including Broadcasters, Post production houses, IPTV, and Satellite companies.

Baton is an enterprise-class, production proven software that is readily scalable for large infrastructure, high volume of content, and high availability. Baton is easily scalable for increased verification workload based on its support for multi-core processing. Baton's web-based architecture enables remote management of verification tasks, and its intuitive interface is easy-to-use.

Baton – Improves Efficiencies across Content Lifecycle



Baton – Users

- Broadcasters
- Post production Houses
- IPTV
- Satellite Companies
- Archiving Facilities



With Dolby certified AC-3, DD Plus, Dolby-E analysis

Available for Windows and Mac platforms

Baton - Industry Leading Solution used by Top-Tier Customers

Backed by Interra's Acclaimed Pre & Post Sales Support

Baton - Salient Features

High Level Features

- Web based, Enterprise application
- Capable of handling large volumes of content in a distributed environment
- Easily scalable for increased verification workload
- High availability for 24x7 QC/Verification
- Intuitive user interface to speed up usage, includes easy scheduling of tasks, Test Plan setup, and debugging of errors
- Web Services to integrate with media servers, transcoders, DAM/MAM systems

Verification and Reporting Features

- Compliance to media standards and regulatory requirements
- Quick Test Plan setup and change management
- Extraction and verification of parameters and metadata in the content
- Verification of growing files
- Reports in HTML, XML, and PDF
- Incremental reports of tasks in progress
- Quick content profiling without verification
- Integrated Media Player for enhanced debugging

Task Scheduling and Monitoring Features

- Easy integration with content servers
- Watch folder for quick automation
- Priority-based scheduling of tasks
- Task scheduling strategies to handle verification load
- Utilities to manage disk usage

Automation of Post Verification Actions

- Email, TCP, UDP alerts
- Moving of files to playlist or quarantine

Baton Quality Checks - Sampler

Container Level Checks

- Content layout • CableLabs VoD compliance • Play time
- File size • Packet size • Teletext • Ancillary data
- Number of audio/video streams • ARIB specifications
- Digital cinema compliance • TR101 290

Video Checks

- Frame rate • Bit rate • Frame size • Aspect ratio • Duration
- Resolution • Video format • Picture scan • Color format
- Close caption • Blockiness • Cadence • Freeze frames
- Black frames • Black bars • Color gamut • Flash detection
- Luma/Chroma levels • Brightness • Contrast • Pixelation
- Blurriness • White point • Drop frame • Combing errors
- Block error • Stripe error • Upconversion • Field order
- Video dropout

Audio Checks

- Silence • Clipping • Mute • Test tones • Loudness
- Phase detection • Wow & Flutter • Transient noise
- Audio distortion • Jitter

Baton Formats Support - Sampler

Workflows

SD, HD, Mixed workflows

Media Containers

MXF, GXF, LXF, DVB/ATSC/MPEG-2 Transport, ASF, AVI, MPEG-2 Program/DVD VOB, 3GPP, 3GPP2, MP4, AVCFF, MOV, QuickTime, QuickTime Reference Movies, DPX

Video Codecs

MPEG-2, IMX30/50, XDCAM, D10, D11, DV(25/50/100), MJPEG2000, DNxHD (VC-3), Uncompressed RGB (in QuickTime), H.264, MPEG-4, VC-1, Apple ProRES, PhotoJPEG, MPEG-A, MPEG-B, Uncompressed YUV

Audio Codecs

AC-3, Dolby Digital Plus, Dolby-E, MPEG-Audio, MPEG 2.5, MP3, BWF, AAC, AAC Plus, AES3, LPCM, ADPCM, AIFF, WAV, WMA (Standard & Professional), DV Audio

Baton Verification Report

The screenshot displays the Baton Verification Report interface. It includes a navigation bar with 'Errors' and 'Video Preview' tabs. The main area shows a grid of video frames with timestamps. Below the grid, there is a 'Details' section with a table of errors:

Description	Location	Type	Severity
5 pixels were found to be less than expected Min Luma value 16 and 267 pixels were found to be greater than expected Max Luma value 235. Restriction specified: 16-235.	Picture [240]	Decoded Video	Serious
52 pixels were found to be less than expected Min Cb value 16. Restriction specified: 16-240.	Picture [240]	Decoded Video	Serious
4388 pixels (4.28%) were found to be Out-of-Gamut. Restriction specified: -5% to 105%	Picture [240]	Decoded Video	Serious