

Introducing the Flash and Pattern Legaliser



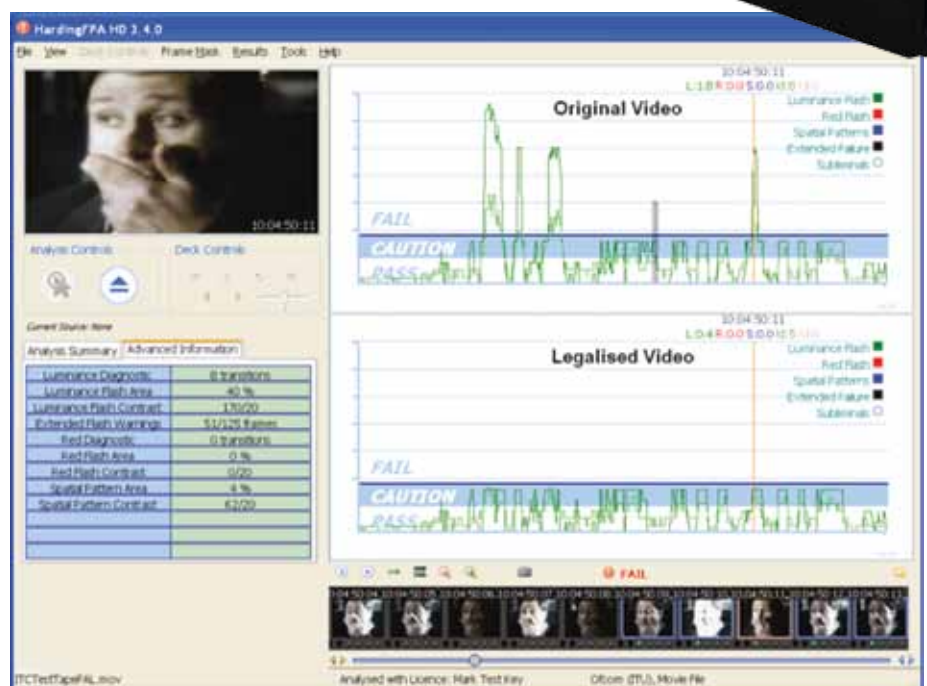
Helping you meet transmission deadlines

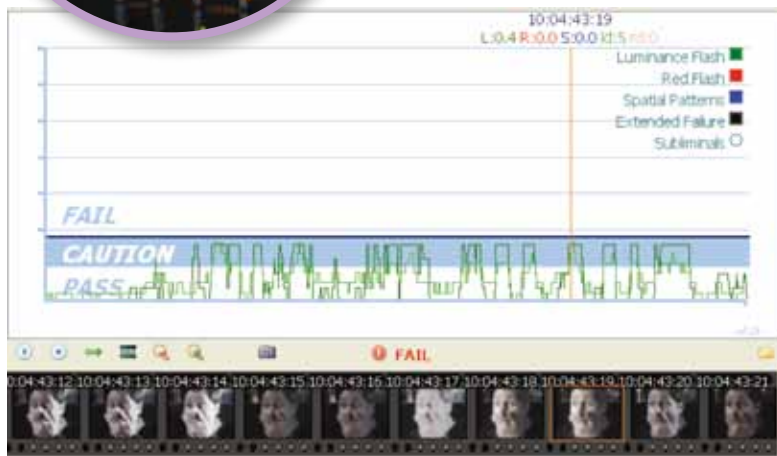
Building on the success of our Harding Flash and Pattern Analyser's, Cambridge Research Systems have now developed a new system to generate Ofcom compliance in real-time. The Flash and Pattern Legaliser calculates exactly when and by how much the photosensitive guidelines have been exceeded and then uses a suite of algorithms to implement the minimum correction necessary to achieve compliance.

The Flash and Pattern Legaliser can be used for live video feeds where post production video editing is not an option. Alternatively, it can be used as a video editing aid for correcting some flash and pattern failures without constraining an editor's flair and creativity for correcting major violations.

Real-Time Correction

The Flash and Pattern Legaliser corrects video for Ofcom compliance in real-time with a latency of less than five seconds. It is able to correct luminance flashing, red flashing, extended flashing and spatial patterns in real time even when they occur simultaneously. The image below shows a commercial which exceeds Ofcom flash guidelines in five places while the lower graph shows the real-time legalised video free of any flash and extended flash violations.





Now Take a Closer Look

The Flash and Pattern Legaliser performs the absolute minimum changes to the video to achieve Ofcom compliance. A close-up of the legalised video analysis shows that flashing activity is frequently very close to the Ofcom limit, while separate checks ensure that corrected flash violations do not reappear as extended flash failures.

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Legalised Video Analysis

A replay of the corrected video will, in most cases, contain no noticeable changes. Most flash and pattern violations are minor, requiring negligible alteration for compliance. Major flash violations will still appear flashy after legalising and retain the same visual excitement of the original. All flash and patterned stimuli which go close to, but do not exceed, guideline limits are left completely unaltered.

The Flash and Pattern Legaliser represents a fast route to transmission compliance. By working with the Harding Flash and Pattern Analyser engines, it knows exactly when and by how much the guidelines have been exceeded. This enables the legaliser to perform the absolute minimum level of video correction necessary to achieve full compliance within a two pass process, in real-time and with a latency of less than five seconds.

For more information on Cambridge Research Systems Limited and its products:

Please call **(+44/0) 1-634 720707**

Or email: **sales@hardingfpa.com**

Or visit our website: **www.hardingfpa.tv**

Or write to us at: 80 Riverside,
Sir Thomas Longley Road, Rochester,
Kent, ME2 4BH, UK.