

Tools for Television

Recording, Playout, Monitoring



ECP

ELECTRONIC
COUCH POTATO

Automatic Audio/Video Quality Assurance

- ✓ Detect freeze frame, blackout, moving image, audio tone, and audio silence
- ✓ Image comparison matches against template image
- ✓ Test only against portion of image using user-defined screen sections
- ✓ Automated Test Robot: user-programmable test scripting
- ✓ Integrate with Test Automation Systems

Test Automation with the Electronic Couch Potato

The ECP is a “programmable test robot” which monitors and analyzes audio and video signals for defects.

Built on the flexible “TCL” scripting language, the ECP can be configured for automatically testing arbitrary video and audio content against expected characteristics.

Test results are recorded in an internal database which can be exported on demand. Additionally, multiple APIs make it easy to interface the ECP to existing Test Automation systems such as LabView® as well as integrate results into your in house database for long term tracking or contract compliance purposes.



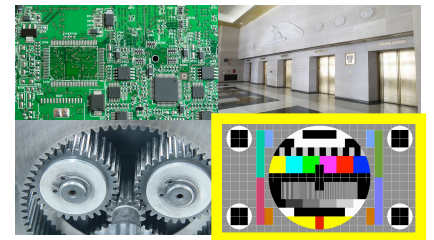
Consistent and Repeatable

Fully automated and integrated with your test automation system, QA tests using the ECP eliminate erroneous test verdicts resulting from fatigue or other errors attributed to human operators.



Image Comparison

While most applications will check for video problems on the entire screen area, video tests such as freeze frame and blackout can also be constrained to specific sub-sections of the total screen area.

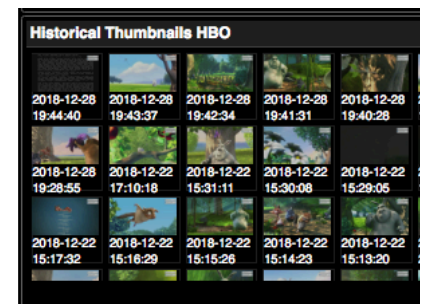


For example, the ECP can be configured to check one part of a “split screen” display.

Multiple screen sections can be defined with different tests assigned to each screen section.

Visual Test History

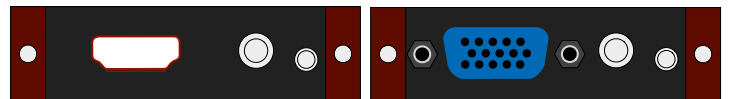
As the ECP monitors the input signal, it repeatedly takes a static, high resolution image capture of the image being scanned. These image captures are displayed both as a matrix by channel as well as zoomed-in “historical” thumbnails for detailed inspection.



With its web browser GUI just drag-and-drop any thumbnail image to your desktop for inclusion in test reports or other documents.

Extensive Interface Support

ECP is available in several different interface configurations, including HDMI, VGA, analog composite, and DVI digital.



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VIDEO SYSTEMS