Automation Stress Testing

For accurate and repetitive motion quality test on devices.





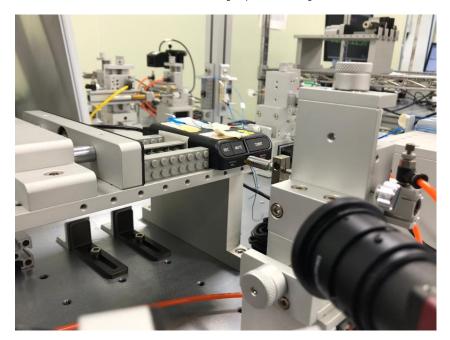




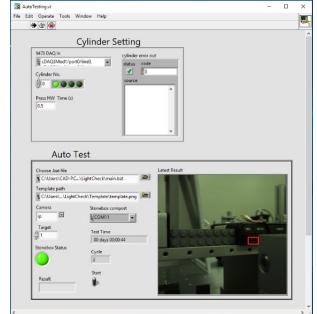


UI & instrument control

Image capture & matching

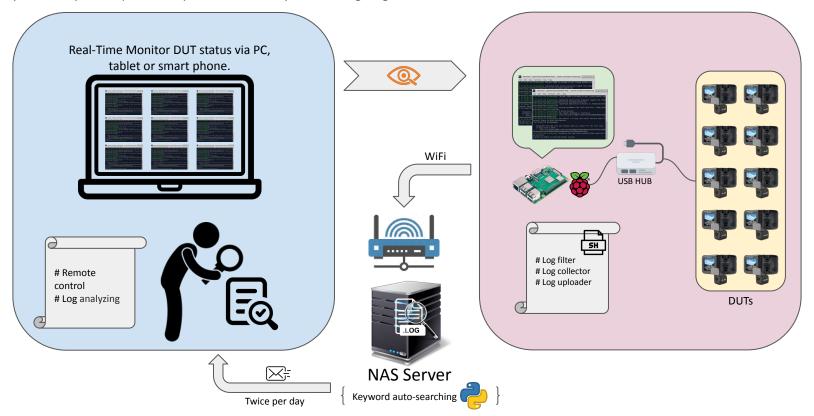






Keyword Auto-Searching System

This system analysis and periodic report notification system for large log files.

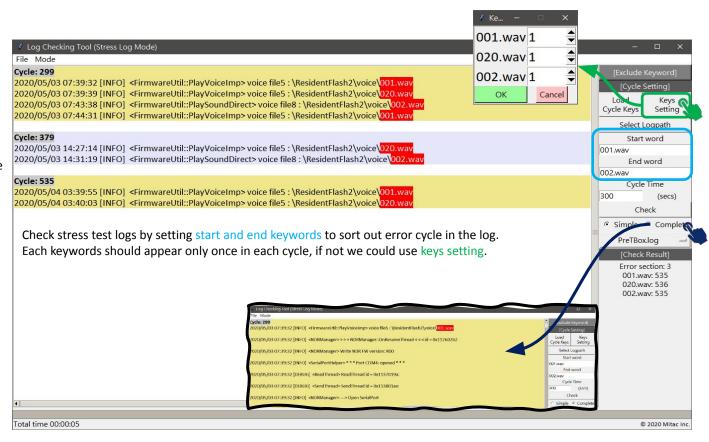


Keyword Auto-Searching Tool (Standalone Ver.)



<Mode 1> Stress test logs checking

 Searching expected keywords in cycles, there are lots of cycles in every device stress log, keywords we cared for would be searched in only a few seconds via this tool.

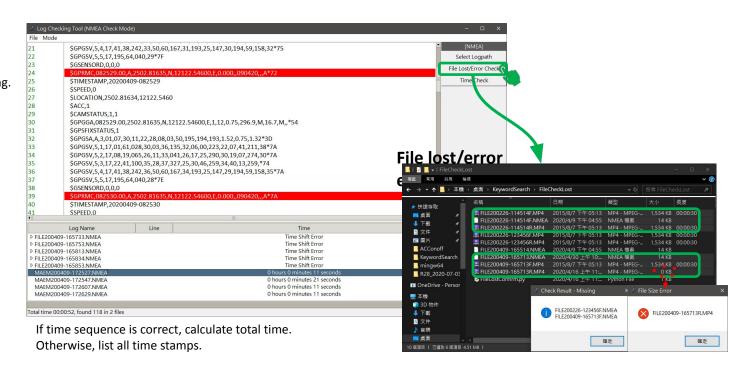


Keyword Auto-Searching Tool (Standalone Ver.)



<Mode 2> NMEA logs time checking

- One-click file lost and file error checking.
- One-click GPS time sequence check.

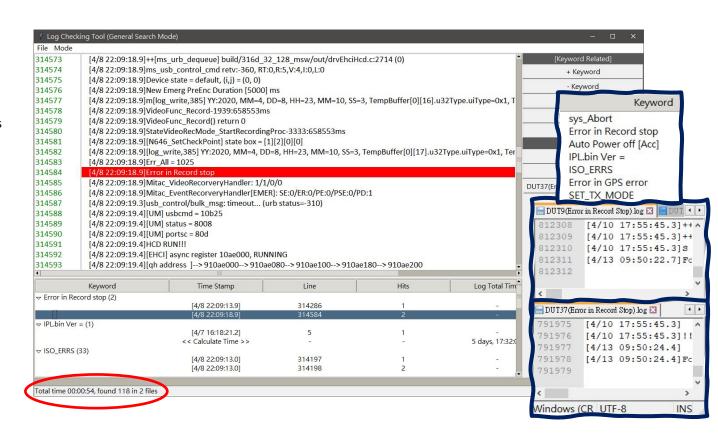


Keyword Auto-Searching Tool (Standalone Ver.)



<Mode 3> Multiple keywords searching

- Quick keywords searching in multiple logs at one time.
- Searching result demonstrate detail.



FOV Focus Tool (C-Zone)



Assistant tool for DVR field of view and optical axis checking. (For capture images, videos, and also real-time used)

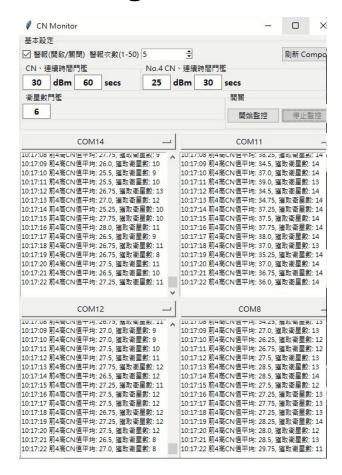




Monitor GPS signal and realtime alarm system

- Signal values saved for root cause analyzation.
- Alarm system for LINE or Telegram

GPS Signal Monitor





Video Files Analysis Tool

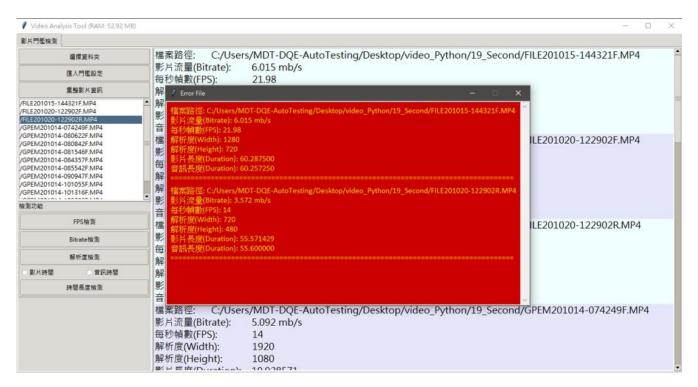


A video files analyzer

FPS, video duration, resolution, bitrate, crash file, and abnormal file detection.

Using frame error detection algorithm:

- MSE (Mean-Square Error)
- SSIM (structural similarity index)



Camera Module Defocus Filter Tool (Positioning)

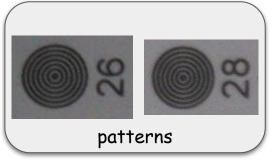


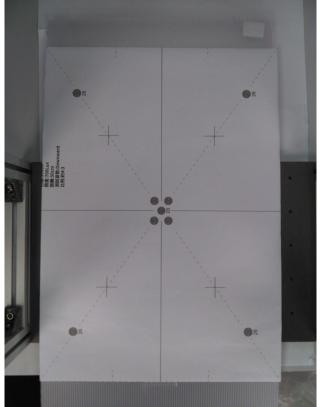


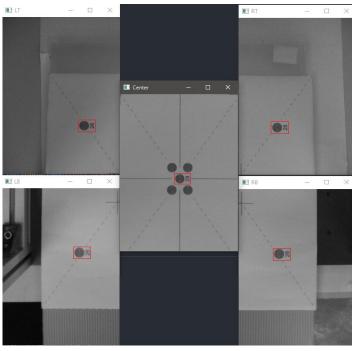


Somehow, each camera module might cause some failure after assembling. This tool could double-check final products' defocus or not.

- Positioning: pattern matching
- Score calculate: image processing, adaptive threshold







Camera Module Defocus Filter Tool (Score Calculation)







Somehow, each camera module might cause some failure after assembling. This tool could double-check final products' defocus or not.

- Positioning: pattern matching
- Score calculation: image processing, adaptive threshold

