

# SystemView



## ■ Real-Time Analysis and Visualization

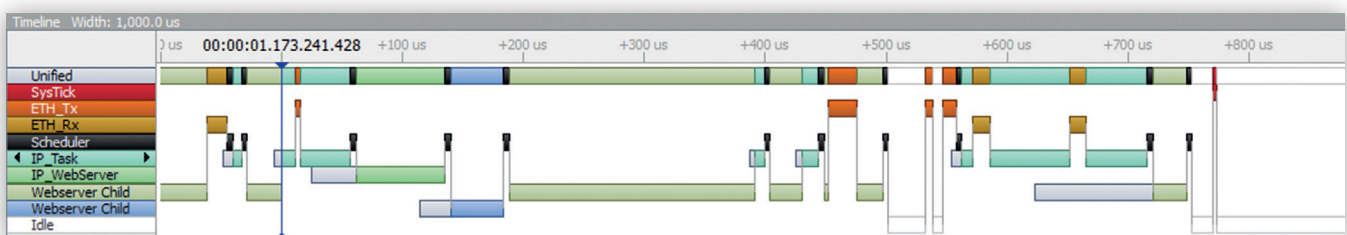
SEGGER SystemView is a real-time recording and visualization tool to gain a deep understanding of the runtime behavior of an application, going far beyond what debuggers are offering. This is particularly helpful for complex systems with multiple threads and interrupts to analyze problems and to find inefficiencies.

- Maximum system insight
- Cycle-accurate profiling
- Free tool, no license costs, no hidden fees
- No additional hardware required
- RTOS-Tracing
- Interrupt tracing without an RTOS
- Continuous real-time recording and live analysis with J-Link and SEGGER RTT technology
- Works on any CPU

SystemView makes it possible to analyze which interrupts, tasks and software timers have executed, how often, when exactly and how much time they have used.

Cycle-accurate profiling can be performed and even user functionality can be timed.

SystemView should be used to verify that the embedded system behaves as expected and can be used to find problems and inefficiencies, such as superfluous and spurious interrupts, and unexpected task changes. It can be used with any (RT)OS which is instrumented to call SystemView event functions, but also in systems without an instrumented RTOS or without any RTOS at all, to analyze interrupt execution and to time user functionality like time-critical subroutines.



SEGGER Microcontroller  
<https://www.segger.com/systemview.html>