

Lidar

LIDAR is a method for determining ranges in variable distance by targeting an object with a laser and measuring the time for the reflected light to return to the receiver. Lidar is commonly used to make high-resolution maps, with applications in...

Updated: 2021-06-29 15:27:33

#lidar

Livox SDK

Livox SDK is the software development kit designed for all Livox products. It is developed based on C/C++ following Livox Communication Protocol, and provides easy-to-use C style API. With Livox SDK, users can quickly connect to Livox products and...

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#lidar
#livox

Lidar Mapping - Prototype

Create a mapping system using a Livox Mid-40 Lidar and an APX-15 GNSS-INS module. This system can be used to scan and create a 3D point cloud of an area

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#lidar #livox
#mapping

Virtual machine

A virtual machine is a virtual environment that functions as a virtual computer system with its own CPU, memory, network interface, and storage, created on a physical hardware system. A software, called a hypervisor, separates the machine's resources...

Updated: 2021-06-28 13:25:02

#virtual

Docker - A Container

A container is a standard unit of software that packages up code and all its dependencies so the application runs quickly and reliably from one computing environment to another.

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#docker
#container

Hyper-V on Windows

Hyper-V on Windows supports many different operating systems in a virtual machine including various releases of Linux, FreeBSD, and Windows. Hyper-V is a type 1 hypervisor, specifically provides hardware virtualization, with better performance than...

Updated: 2021-06-28 13:50:05

C/C++

Updated: 2021-06-28 09:51:21

J-Link System View

SEGGER SystemView is a real-time recording and visualization tool for embedded systems that reveals the true runtime behavior of an application, going far deeper than the system insights provided by debuggers. This is particularly effective when...

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[#sysview](#)

J-Link Real Time Transfer

SEGGER's J-Link Real Time Transfer overcome the limitation of other debug techniques such as Semihosting or SWO, in term of speed and availability. It can run without debugging session, and do not affect the real-time system. However, it only...

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US-100 - Ultrasonic distance sensor

US-100 is one of popular distance sensor used in many projects. It has ranging distance up to 450 cm with 1 mm resolution in less then 15 degree of view angle. It also has temperature sensor to compensate the result. The US-100 is very similar to the...

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[#sensor](#) [#distance](#) [#pulse](#)
[#uart](#)

Timers and their modes

Embedded devices perform some activities on a time basis. Timers are hardware modules that assist CPU to not only generate periodically events, but also do several features in which some are very important to work with external peripheral like Pulse...

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[#capture](#)

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