

Product Release Notice RTX64 4.0 Vision

General Availability Release Date

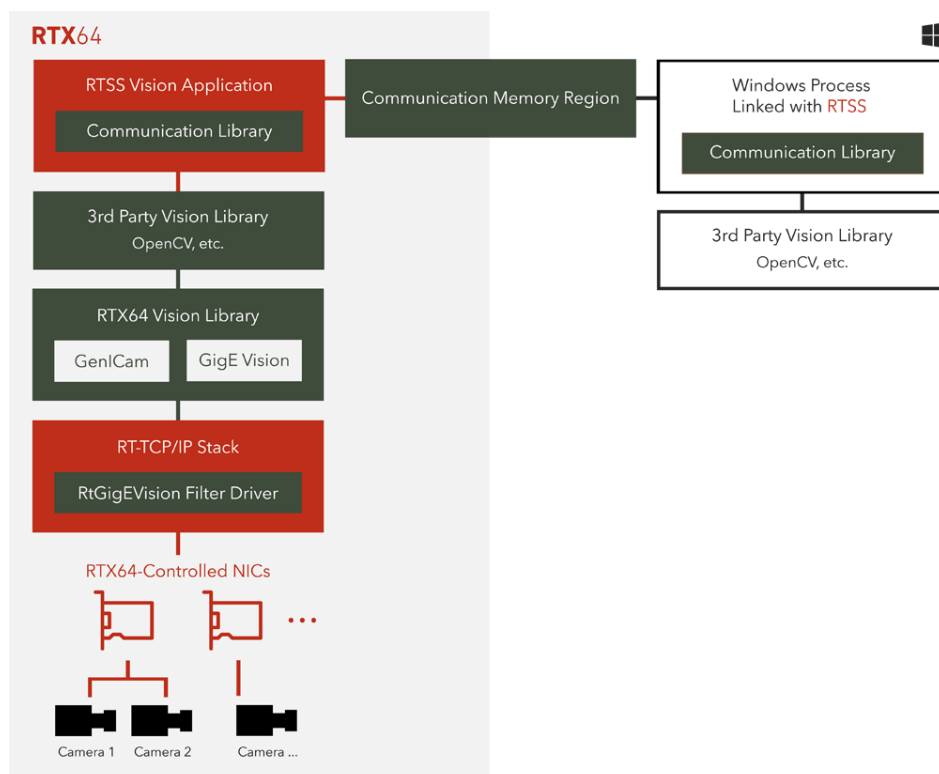
August 17, 2020

Product Overview

RTX64 Vision provides functionality for using GigE Vision Cameras within the real-time RTX64 environment. Using RTX64 Vision, you can quickly discover cameras on the network, query different camera configurations, and acquire image data.

To do this, RTX64 Vision utilizes the GenICam GenAPI to read in the Camera Description File, and the GigE protocol to control the camera and receive its image data. A third party vision library, such as OpenCV, can be layered on top of RTX64 Vision to provide all of the additional functionality within that library. Finally, RTX64 Vision provides a communication library for passing images between RTSS and Windows, which can be used to perform tasks that are more easily achieved in the Windows environment, such as displaying captured images in a GUI.

Architecture



Key Features

Vision Runtime

- Real-time GigE Vision filter driver for use with the RT-TCP/IP Stack
- Support for all RT-TCP/IP supported NICs
- Camera Setup tool for modifying camera information

Vision SDK

- Real-time GigE Vision Interface for communicating with GigE Cameras
- Communication library, which provides API to quickly pass data between RTSS and Windows applications
- Built version of OpenCV for use with RTSS Vision applications
- Documentation consisting of installation and user guides, API references, and details on Vision programming concepts

Activation & Licensing

The IntervalZero RTX64 4.0 Vision requires an activation key along with RTX64 4.0 to already be installed and licensed. Please [click here](#) for an overview of IntervalZero product licensing.

Availability

RTX64 4.0 Vision is available beginning August 17, 2020 through Partners and by contacting Sales: sales@intervalzero.com or (781) 996-4481.

We welcome your comments and feedback. If you have recommendations, or wish to suggest product enhancements or additional cameras to add to our test environment, please contact Product Management at: productmanagement@intervalzero.com.

