

## Product Release Notice RTX64 4.1 Vision

### General Availability Release Date

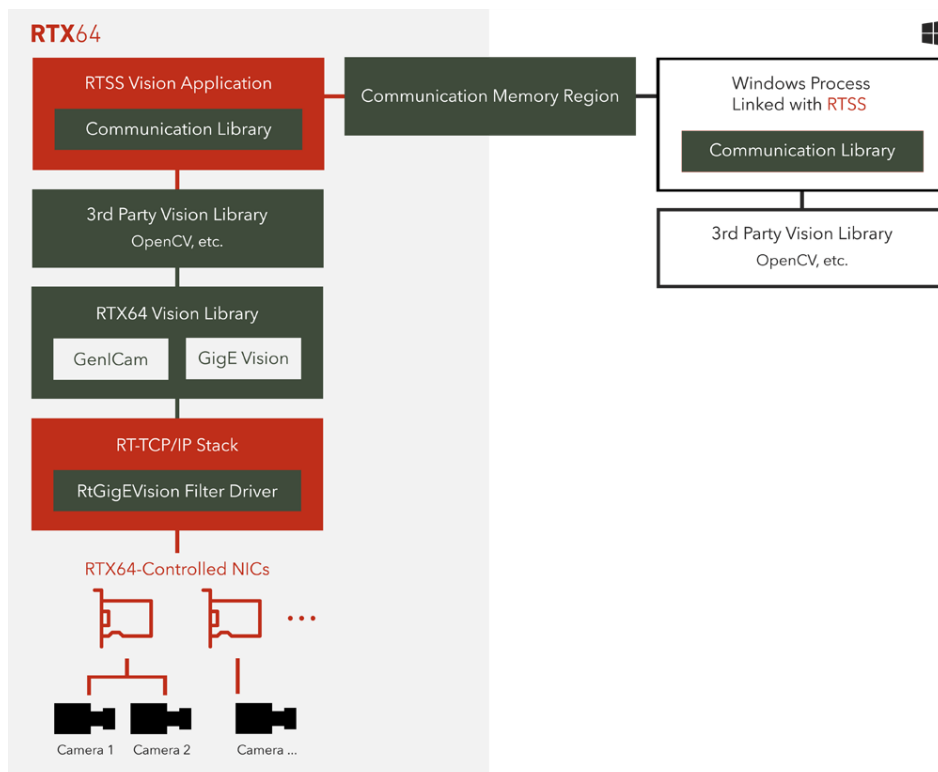
May 25, 2021

### 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 4.1 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 4.1 Vision is available beginning May 25, 2021 through Partners, the **IntervalZero Customer Center** or by contacting Sales: [sales@intervalzero.com](mailto: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](mailto:productmanagement@intervalzero.com).

