



# Release Note

## Windows Ver1.0.0 (First Release)

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Released Date : 2022.2.10

- SDK for Windows released.

## Windows Ver1.1.0 / Linux Ver1.0.0

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Released Date : 2023.01.31

- SDK for Linux released.
- Python Wrapper released.
- IPConfigTool released.
- Added ConsoleDemo sample code for color camera.
- Bug Fix
  - Fixed a problem with SoftTrigger not working in GEVViewer.
  - Fixed a problem in which file names were garbled when Japanese (2-byte characters) were included in the file name at saving images.

## Windows Ver1.2.0 / Linux Ver1.1.0

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Released Date : 2023.05.18

- Fixed Python Wrapper
  - Fixed description of type annotations.
  - Changed output to console from `print` to `logging`.
  - Changed error output from 'macro name' to 'error string'.
- Replaced GEVViewer (only Windows)

- Replaced viewer application from "GEVViewer" to "KowaGigEVisionViewer".
- Sample code
  - Added GUI sample code for Windows.
  - Added Python sample code.

## Windows Ver1.3.0 / Linux Ver1.2.0

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Released Date : 2023.06.30

- SDK
  - Release Library(API) for External Device Control. (Especially added Remote Focus Unit Control function.)
- KowaGigEVisionViewer Update(only Windows)
  - Added Remote Focus Unit Control function.
- Sample code
  - Added Qt sample code for Linux.
  - Added sample code for Remote Focus Unit Control.(C++,Python)
- KowaGigEVisionLib
  - Corrected `FeatureName` argument type from `char*` to `const char*` in `GetFeature...` and `SetFeature...` functions.
- PythonWrapper
  - Corrected arguments in `enumerateAdapters()`

## Windows Ver1.4.0 / Linux Ver1.4.0

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Released Date : 2023.10.31

- KowaGigEVisionLib
  - Added `GEVInitEx()` function.
  - Embedded "Extras" folder file(\*.xsl, \*.xsd) in the DLL.



- Added `GEVSetSchemaFromZip()` function.
- Supports for `pkg-config` command. (Linux only)
- Wrappers
  - Added C# Wrapper.
  - Added string specification of IP address/MAC address. (python and C# Wrapper)
  - Added `GEVGetMemorySize()` function. (python Wrapper)
  - Modified the argument of `openStreamChannel(int)` function to be optional. (python Wrapper)
- Demo
  - Merged "Samples" folder into "Demo".
  - Update CS\_ConsoleDemo. (C# Wrapper used)
  - Added "Demo.sln". (Include all Visual Studio project)
- Documents
  - Added Japanese Manuals.
- Bug Fix
  - Fixed an issue where occurred of null pointer dereference in the Linux FilterDriver.
  - Fixed argument for `setDetailedLog()` function in python-wrapper.

## Windows Ver1.4.1

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Released Date : 2024.1.31

- KowaGigEVisionLib
  - Added `GEVGetSdkVersion()` function.
  - Added `GEVGetSdkAbiVersion()` function.
  - Deprecate some functions.
    - `CANCam...` functions.

- `CLink...` functions.
  - Changed the specifications of `GEVGetFeatureString()` and `GEVSetFeatureString()` functions.
- Tools
  - Update KowaGigEVisionViewer.
- Wrappers
  - Added functions to C# Wrapper.
  - Added C# Wrapper for ExternalControlLib.
- Bug Fix
  - Fixed a problem where `GEVGetFeatureString()` and `GEVSetFeatureString()` functions does not work properly when using functions that should have been accessed by a nonstring type.
  - Fixed the `motor_state` argument of the `RemoteFocusSetCanMotorSleep()` function.

## Windows Ver1.4.2

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Released Date : 2024.2.20

- Fixed the not installable the Windows filter driver.

## Ver1.5.0

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Released Date : 2024.10.10

- FilterDriverLinux
  - Changed loading procedure.
- KowaGigEVisionLib
  - Added `GEVExecuteFeatureCommand()` function.
  - Deprecate some functions.
  - Enable to specify port number at multicast `OpenStreamChannel()` function.

- Bug Fix

- Fixed a buffer overrun problem at the `getFeatureString()` function. (python Wrapper)
- Fixed a stop the driver problem when added nic to PC in FilterDriverWindows.
- Fixed a problem where cannot operate camera when open multiple camera in KowaGigEVisionViewer.

## Ver1.6.0

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Released Date : 2025.3.27

- SDK

- Released installer for Windows.

- KowaGigEVisionLib

- Added `GEVIssueActionCommandBroadcast()`, `GEVIssueActionCommandAdapter()`, `GEVIssueActionCommandBroadcastDirected()`, `GEVIssueActionCommandAdapterDirected()`, and `GEVIssueActionCommandUnicast()` functions.
- Modified `GEVOpenStreamChannel()` function that allow default value of 0 for the `ip` argument.
- Added Japanese Release Note.

- Demo

- Modified the configuration to include and linker for Windows.

## Ver1.6.1

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Released Date : 2025.08.08

- SDK

- Integrated release packages for Linux.

- KowaGigEVisionLib



- Modified `GEVOpenStreamChannel()` to work if give 0 to the `multicast` argument when connected by OpenAccess.
- Improved to connection to camera for less from being disconnected.
- Demo
  - Changed example multicast address to "239.1.x.x".
  - Removed Qt sample on Linux.
- Bug Fix
  - Fixed a problem where `GEVGetImageBuffer()` rarely returns `GEV_STATUS_BUFFERS_NOT_INIT` error in environments with high traffic.
  - Fixed problem to cannot open `GEVInitEx()` until restart PC if you repeatedly exit application without using `GEVClose()`.
  - Fixed problem to rarely keep opened camera when failed connect on `init()` and `initEx()` on python wrapper.