



Release Note

Windows Ver1.0.0 (First Release)

Released Date : 2022.2.10

- SDK for Windows released.

Windows Ver1.1.0 / Linux Ver1.0.0

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

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

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

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

Released Date : 2024.1.31

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



- `CLink...` functions.
 - Changed the specifications of `GEVGetString()` and `GEVSetFeatureString()` functions.
- Tools
 - Update KowaGigEVisionViewer.
- Wrappers
 - Added functions to C# Wrapper.
 - Added C# Wrapper for ExternalControlLib.
- Bug Fix
 - Fixed a problem where `GEVGetString()` 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

Released Date : 2024.2.20

- Fixed the not installable the Windows filter driver.

Ver1.5.0

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

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

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.