Version 6.1.3 (August 6, 2013)

- Vieworks Imaging Solution 6.1.3 is released to add following new features and support and to provide fixes for the following known bugs and issues.

Features and Support
- The VIS viewer now supports broadcasting (255.255.255.255) to discover all connected devices. Then, all connected devices are enabled to receive Discovery_ACK.
- The ROI window which allows you to specify a ROI conveniently is now available.
- The GetCustomCommand feature is improved to refresh a feature from the camera instead of using caches.
- The Abort function and other SDK functions are now available within the Draw Callback function.

Known Bugs and Issues
- The VIS viewer does not periodically retrieve the Heartbeat Timeout value from the camera any more. Now, it is retrieved once when opening a connected camera for the first time.
- The algorithm which reflects changes on a feature to related features is improved.
- The dependency is removed from the SDK header file not to refer GenICam directly.
- The VB sample is improved to support the YUV pixel format feature correctly.
**Version 6.1.2.0 (March 25, 2013)**

- Vieworks Imaging Solution 6.1.2.0 is released to add following new features and support and to provide fixes for the following known bugs and issues.

### Features and Support

- 64 bit version of Windows 8 is supported from Vieworks Imaging Solution version 6.1.2.0.
- The **Abort** and **Grab** features are stabilized.
- **Visual Basic** and related samples are added as a supported programming language.
- The **Event Control** feature is stabilized.
- The **VwOpenCameraByIndex** function which performs opening a camera is modified as follows:
  - The **PixelFormat** parameter is removed.
  - The **UINT nPacketSize** parameter is added.
  - For example:
    ```
    * RESULT VwOpenCameraByIndex(VWGIGE_HANDLE hVwGigE, UINT nCameraIndex, HCAMERA* phCamera, UINT nNumBuffer, UINT nWidth, UINT nHeight, **PixelFormat pixelFormat**, void* pUserPointer, ImageCallbackFn* pImageCallbackFn, DisconnectCallbackFn* pDisconnectCallbackFn = NULL);
    →
    * RESULT VwOpenCameraByIndex(VWGIGE_HANDLE hVwGigE, UINT nCameraIndex, HCAMERA* phCamera, UINT nNumBuffer, UINT nWidth, UINT nHeight, **UINT nPacketSize**, void* pUserPointer, ImageCallbackFn* pImageCallbackFn, DisconnectCallbackFn* pDisconnectCallbackFn = NULL);
    - **UINT nPacketSize**: Sets the size of the packets that the camera will transmit at a time.
    ```

### Known Bugs and Issues

- The **GetCustomCommand** link error is fixed.
Version 6.1.1.0 (February 5, 2013)

- Vieworks Imaging Solution 6.1.1.0 is released to add following new features and support and to provide fixes for the following known bugs and issues.

Features and Support

- The Pixel Format parameter will be changed and updated automatically on the Device Properties pane when you select Bayer format and enable the Reverse X feature on color models of the camera.
- The Generate report feature is added to the Tools tab of the VIS viewer.
- The Event Control category is added to the Device Properties pane to control an event such as an Exposure End event.
- You can control the slider on the VIS viewer using your mouse wheel.

Known Bugs and Issues

- The startup splash screen for VIS is removed.
- The slider control is improved to offer smoother performance.
- The performance of the Magic Glass feature is improved.
- The Sample Program stability is improved.

Version 6.1.0.0 (November 15, 2012)

- Vieworks Imaging Solution 6.1.0.0 is released to add following new features and support.

Features and Support

- The VIS installation package is improved.
- The generational version number is changed from 6.0.X.X to 6.1.0.0.
Version 6.0.13.8 (November 9, 2012)

- Vieworks Imaging Solution 6.0.13.8 is released to add following new features and support.

Features and Support

- C# Sample Program is improved.
- The Magic Glass feature will be closed automatically when you close VIS.

Version 6.0.13.7 (October 31, 2012)

- Vieworks Imaging Solution 6.0.13.7 is released to add following new features and support.

Features and Support

- The Magic Glass feature now only supports a single window.
- The Discovery feature is enabled even if the Local Area Connection Properties window is opened.
- The GevMACAddress parameter under TransportLayerControl is modified to be displayed correctly.

Version 6.0.13.6 (October 31, 2012)

- Vieworks Imaging Solution 6.0.13.6 is released to add following new features and support.
- Vieworks SDK Reference Table is also added at the end of release notes.

Features and Support

- The following features are enhanced.
  - Verifying routine for heart beat timeout
  - TLIGetInterfaceInfo function
  - MTU Optimize feature
  - Displaying corrupted images
- The following improvements are made on sample programs.
  - Validation test on width, height and buffer size
  - UI improvements
  - Some codes causing memory leaks are modified.
- The following improvements are made on SDK
  - SDK and some sample programs are improved in order for user to receive a response through Callback function if the connection is failed.
  - Snap feature
  - Grab and abort operations
  - VwUseMTUOptimize, CameraGetGrabCondition, CameraGetHeartBeatTimeoutTryCount, CameraSetHeartBeatTimeoutTryCount functions are added.
  - Removed Korean and unnecessary comments from Header
**Version 6.0.13.5 (October 15, 2012)**

- Vieworks Imaging Solution 6.0.13.5 is released to add following new features and support.

**Features and Support**

- The .inf file is modified in order to operate Filter Driver normally.

**Version 6.0.13.4 (October 10, 2012)**

- Vieworks Imaging Solution 6.0.13.4 is released to add following new features and support.

**Features and Support**

- The following features are enhanced.
  - Verifying method for heartbeat timeout
- XML and Unzip routines are added to SDK and sample programs.
- Aligned sample source

**Known Bugs and Issues**

- Boundary value bug on buffer size is fixed.
- Save and load operations on LUT file are fixed.

**Version 6.0.13.3 (October 4, 2012)**

- Vieworks Imaging Solution 6.0.13.3 is released to add following new features and support.

**Features and Support**

- The following features are enhanced.
  - **Tooltip** feature
  - **Error** tab will be activated when an error occurs.
- The child frame will be closed after completing device reset.
- When **Stop Video** or **Do not show video** buttons are pressed, the corresponding buttons will be disabled.

**Known Bugs and Issues**

- Modified SDK and Sample
  - Function and Device ID bugs are fixed.
  - Pixel format is added to sample programs.
Version 6.0.13.2 (September 19, 2012)

- Vieworks Imaging Solution 6.0.13.2 is released to add following new features and support.

Features and Support

- VIS is updated to display logs regarding TLI main features in the Event Log window.
- The following features are enhanced.
  - Statistics feature
  - Gray Level feature
  - Features in the Device Property panel
  - UI of FilterDriverWizard
  - Snap Shot feature
- The Close menu is removed from the main menu.
- The duration of Tooltip is extended.
- The Output panel is updated to save the logs.
- PNG is added as a supported image file format.


- Vieworks Imaging Solution 6.0.13.1 is released to add following new features and support.

Features and Support

- The following pixel formats are added.
  - Mono10
  - Mono12
  - BayerGR10
  - BayerGR12
  - BayerRG10
  - BayerRG12
  - BayerRG12 Packed
  - YUV422_UYVY
  - YUV422_YVYU
- VIS is updated to display a warning message and then acquire images, if you try to acquire images after setting the value of Width in the Device Property panel to a non-multiple of four.
- The formula for calculating the frame rate is changed.
- The version of TLI is upgraded to 1.0.0.4.
- The Device ID naming convention is changed.
- The SnapShot button will be deactivated while using the Rotate feature.
- The codes in the Sample Project are improved and the pixel format convert feature is added.

Known Bugs and Issues

- .NET Sample will be supported in the next version (6.0.13.2) officially.

- Vieworks Imaging Solution 6.0.7 through 6.0.13 are released to improve issues and to fix bugs as follows.

DOC
- The package includes English version of VIS Installation Manual.
- The API User Manuals are modified.

Known Bugs and Issues
- Features in the Vieworks Imaging Solution Viewer are improved.
- Known bugs and issues in the version 6.0.6 are fixed.

Version 6.0.6 (March 16, 2012)

Beta Release
- Vieworks Imaging Solution 6.0.6 is released for a user test and has following bugs and issues.

Known Bugs and Issues
- Environment Variables in the API User Manuals may differ from the actual installed files.

<table>
<thead>
<tr>
<th>Type</th>
<th>VIS 5.5</th>
<th>VIS 6.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDK</td>
<td>VwGigE.dll</td>
<td>VwGigE.V6.dll</td>
</tr>
<tr>
<td>SDK</td>
<td>VwGigE.lib</td>
<td>VwGigE.V6.lib</td>
</tr>
<tr>
<td>SDK</td>
<td>VwGigE.NET.dll</td>
<td>VwGigE.NET.V6.dll</td>
</tr>
<tr>
<td>Viewer Module</td>
<td>TLI.dll</td>
<td>TLI.V6.dll</td>
</tr>
<tr>
<td>Environment Variable</td>
<td>VIEWORKS_IMAGING_PATH</td>
<td>VIEWORKS_IMAGING_6_PATH</td>
</tr>
</tbody>
</table>

- When you click the Stop button under some conditions, refreshing the Device Property may take several seconds.
- If you set SensorDigitationTaps to four, the Viewer may display abnormal images.
- If an abnormal XML is recorded on the camera, the Viewer may shut down unexpectedly.
## Vieworks SDK Reference Table

<table>
<thead>
<tr>
<th>Interface Support</th>
<th>Development Environments</th>
<th>Operating Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GigE</td>
<td>Camera Link</td>
</tr>
<tr>
<td>Vieworks Imaging Solution</td>
<td>✔</td>
<td>△</td>
</tr>
<tr>
<td>VIS Shadow</td>
<td>✔</td>
<td>X</td>
</tr>
</tbody>
</table>

✔: Supported  
△: To be supported in the version 7.x  
X: Not Supported