

Release - 2.15

IDS peak IPL - 1.15.0.0

Features

- Add digital black functions in the gamma corrector module
- Add new LUT module (8, 10, 12, 16 bit)
- Add new integer to float and float to integer conversions
 - Implement conversion from Coord C32f to C8 and C16
 - Convert integer to float images using a factor and offset via `Image::ConvertToWithFactor` or an overload of `ImageConverter::Convert`
 - Convert float to integer images using a source interval via `Image::ConvertToFromInterval` or an overload of `ImageConverter::Convert`
- Add Interval class for specifying a start and an end point
- Add scale and crop for float images

IDS peak AFL - 1.7.0.0

Features

- Add new data processing callbacks
- Add a new process callback for all controllers, so the user is informed when the image has been processed.

Bug Fixes

- Fix a bug which resulted in an incorrect ROI.

IDS peak comfortC - 1.12.0.0

Features

- Add new functions to control digital black
- Add host-side lookup table (LUT)

Bug Fixes

- Fix compatibility issues with USB 3 uEye XCP and USB 3 uEye XC models regarding trigger and auto features.
- Fix ROI offset for auto white balance and brightness when ROI is changed

IDS peak Cockpit - 2.3.0.0

Features

- Add profiles to the cockpit.
Ask the user which profile to use. This is either persistently saved or the user is asked on each start. When the `auto tune image` profile is selected, the cockpit overrides the default settings:
 - The trigger mode is set to freerun.
 - The frame rate is set to a flicker free value supported by the camera.
 - The auto features are all turned on continuously.
 - Gamma and DigitalBlack are enabled for color cameras.
 - The UserSet of the camera will be `Default`.
 - The workspace functionality is disabled.
- With the `manual tune` profile, the IDS peak Cockpit behaves the same as previous versions which had no profiles. Once enabled, the initial DigitalBlack value is set to 0.04045.
- Add support for list increment nodes and integer nodes which exceed the possible range of the slider.
The cockpit now supports fixed increment lists for Integer and Float nodes. This is used e.g. when not all values inside a range are supported. Possible nodes include the binning and decimation nodes of the camera.
If Integer nodes are too large to be supported by a slider, they will now be represented by a Spinbox to support large ranges. This includes the heartbeat interval timer of the local device nodemap.
- Add support for panning the image with the middle mouse button
- Add new DigitalBlack (GammaCorrector) Feature in the host functions dialog
- Move the Magic Button to a dropdown menu next to the acquisition control buttons, which allows to enable AutoAdjustments once or continuously.

Bug Fixes

- Fix cset validation erroneously blocking
- Add error message if a file operation fails
- Fix unreadable context menu in log when using the dark theme
- Correct the display name for the chinese translation in the language selection

- Fix sensor name not shown in some dialogs
- Fix initial gamma value
- Fix a crash when opening a camera that's in service mode with disabled list update
- Fix initial color correction matrix for uEye USB 3 XLE, uEye USB 3 XCP and uEye USB 3 XLS models
- Fix host decimation not being applied when host binning is enabled
- Fix binning and decimation sources only being locked on camera changed

IDS DirectShow - 1.0.0.0

Bug Fixes

- Fix auto white balance oscillation on some camera models

IDS GenTL Producer - 1.18.1.0

Features

- GEV(K): Add support for buffers of size greater than the payload size

Bug Fixes

- Fix an issue when using the 32-bit transport layer (TL) on a 64-bit system
- U3VK: Fix a potential crash when re-starting the acquisition
- GEV: Fix stability issues regarding usage of node GevGVCPCommandLength

Performance

- U3VK: Fix a performance issue when a second application updates the device list for the first time
- U3VK: Improve the performance of large transfers on the control channel which could affect the stream channel
- U3VK: Improve the performance when re-opening a device

IDS GigE Vision Core - 1.6.4.0

Bug Fixes

- Fix an issue when using FlushQueue(AllToInput)

- Fix an issue when the network adapter is disabled while a device on the adapter's network is in use.
- Fix an issue when using a 32-bit application on a 64-bit system, which is compiled with the /LARGEADDRESSAWARE flag.

IDS USB3 Vision Core - 1.7.0.0

Bug Fixes

- Improved stability and performance

IDS peak genericAPI Samples

Features

- Add Qt6 support

Bug Fixes

- Fix potential compilation error when building without CMake

IDS peak Windows Setup - 2.15.0.0

Features

- Also install 32-bit DirectShow on 64-bit systems

Bug Fixes

- Fix the 32-bit version of the VC redistributables not being installed on 64-bit systems
- Fix an issue where the registration of the directshow interface would fail on fresh windows installations

Releases prior to 2.15

Please refer to the changelogs of the individual components:

- IDS peak genericAPI

- IDS peak IPL
- IDS peak AFL
- IDS peak comfortC

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