

Release Notes

Image-Pro v 10.0.15

Improvements

- Fixed offline License Manager instructions
- Adjusted handling of registration information
- Display error message if invalid UAC code is entered

Release Notes

Image-Pro v 10.0.14

New Features

- Replaced previous license authorization feature with new License Manager.

Improvements

- Updated Quick Start Guide.
- Resolved issue with License Server Toolkit.
- Welcome Page “Show Page at Startup” option is now honored.

Release Notes

Image-Pro v 10.0.13

Improvements

- Image-Pro 10.0.12 Welcome page displaying offline content
- Corrected issue with errors when compiling custom add-ins
- Fixed issue when an ROI with interior ROI(s) is added to Features Manager using XOR ROIs the option, and additional extra features were created
- Corrected Auto Recover feature
- Home Screen links have been corrected in the Japanese translation of Image-Pro

Release Notes

Image-Pro v10.0.12

Improvements

- Image-Pro Auto Shutdown feature is initially turned on for network installations
- Improved messages when no Image-Pro license is available
- Modified display of multiple license codes for network license server installation
- Updated license server installer for network installation
- "Save As" and other control names have been corrected in the Japanese translation of Image-Pro
- Crosshair overlays display correctly on image
- Corrected Dye Editor color changes issue when entering RGB Values
- Filter preview displays correct filter preview image
- Reset to default will disable 'Enable Trigger' now un-checks 'Enable Trigger' checkbox
- Updated font size options to be over a value of 99
- Updated default save file locations to remember last locations
- Mouse position and intensity values are calibrated in the Japanese translation of Image-Pro

Release Notes

Image-Pro v10.0.11

New Features

- Auto shut down – Image-Pro will automatically shut down after a predetermined time interval of Image-Pro inactivity

Improvements

- Local variables are properly initialized in macros and apps
- Resolved issue with scripting application being modified and unloaded
- Leica LEI format Spatial Calibration is recognized
- Corrected exception error after extracting the Saturation Image
- Recent file name for Leica LEI image set is read in correctly
- Fixed invalid Centroid of Mass X and Y when an intensity calibration is applied
- Resolved issue when extracting an ROI from a VLI in the Large Image Workspace creates a redundant Experiment
- Moving or removing a project generated from the Project Workbench will not generate error messages
- Autocompletion will list the app controls
- The Color Validation App loads correctly
- Resolved issue with loading some LSM files
- Z position Leica LEI format is being set correctly

Release Notes

Image-Pro v10.0.10

Improvements

- Resolved Image-Pro program closing issue with modified images generating a delayed open image prompt
- Corrected a Smart Segmentation issue when adding new reference objects to a loaded recipe
- Fixed opening multi-frame Aperio SVS multi-resolution images to open as a single VLI (Very Large Image)
- Corrected issue with Japanese Image-Pro display of licensing dialog
- Calibrated cursor position and pixel value information reported in the status bar are displayed correctly in Japanese version of Image-Pro

Release Notes

Image-Pro v10.0.9

Improvements

- Updated the Image-Pro License Server to add Microsoft Windows server 2019 support
- Fixed image set viewer memory leaks
- Updated Signing Certificate due to Microsoft/Symantec and DigiCert changes in their security protocols
- Corrected issue loading Micro-Manager multi-location image sets
- Adjusted Capture Live Preview to respect region of interest setting for acquisition area
- Corrected an issue when adding manual measurements to a live image with the data table open
- Addressed a text formatting issue in an App file, leading to App failure
- Fixed Background Correction macro recording
- Fixed opening of Aurox data based on OME June 2016 Schema
- Corrected multi-channel VLI set to extract as a multi-channel set
- Fixed parsing of module and class when recording a macro
- Fixed display of Gallery View Context Menu
- Resolved failure caused by Windows Paste operation
- Corrected Snap feature to work on acquisition Live Preview
- Resolved visibility issue when ROI feature is converted to polygon form
- Addressed iso-surface creation failure on certain images
- Fixed updating of automation projects opened as package
- Improved ROI auto-trace speed and operation on irregular surfaces
- Added support for All Set Display Options
- Resolved Data Overlay exception when closing image window

Release Notes

Image-Pro v10.0.8

Improvements

- Old software updates will be removed after installation of a new software update
- The dongle/key HASP driver has been updated to the current released version
- Improved speed performance of operations when ROIs contain holes or XOR operations
- Report ribbon group localized in selected language
- Minimize and Restore Down buttons work correctly
- All single pixel objects are now selectable
- Images can be deleted if opened with the option Group Related Files set to on
- Corrected issue when load image file from the command line when the /I en switch is present
- "Use original file names" option is disabled when the MCS format is used with non-TIFF source data
- FFT images may be saved in a TIFF format
- Applying a filter to an ROI with only one background engine applies only to the ROI region
- Addressed company references in the Image-Pro users guide
- When objects are classified by a single measurement and objects are outside of classification range, the data table sorting correctly sorts the displayed data
- Macros recorded when extracting an Image from a CZI image will work when run with other images
- Option "Multi-resolution images below threshold load as VLI" supports all file formats
- All filter operations recorded in a macro now support the "Process in Float" selection
- Threshold respects ROI holes when ROI boundary matches the image
- Addressed SetOption recording failure to set the .Module property if it is an empty string
- Improved handling and image processing performance of operations on image with a large number of features
- Final horizontal segment of polygon is correctly masked as foreground
- EDF process all time points of single-channel image set
- Relative Manual Measurements are functional in VLI (Large Image) workspace
- After deleting a manual edge on a line profile, new added edges are now visible
- Floating Point image sequences are supported in the Align tool
- Addressed a macro issue that stopped images saving correctly as JPGs if they had been previously saved as TIFF
- Addressed issue when the number of individual objects exceeds the object display limit option
- Improved error message when exporting a movie as WMV and image size exceeds format limit
- Object growing using the restricted dilation option program hang is resolved
- Improved transfer speed when transferring complex ROI from Features Manager to an image
- Vertical scroll bar added to the Capture Configuration Wizard "Generate derived calibrations" panel

Release Notes

Image-Pro v10.0.7

New Features

- Added an option to determine whether multi-resolution images will open as a multi-resolution image or full resolution image based upon the amount of available (free) computer memory.
- When loading large image data sets for image tiling, a message will be displayed to indicate the tiling operation is in progress.
- Image tiling now recognizes when the Escape Key is pressed to cancel the image tiling operation.
- When saving natively unsupported bit depth captured images, the image file is converted to a supported image format using display range to maintain intensity values.
- Black Level, White Level and Gamma setting changes made in the color composite view are now synchronized to the individual image channel view. Changes made in the individual image channel view using these settings are now synchronized with the color composite view.

Improvements

- Addressed scripting language issue to support mcCaptAttrIDs enums.
- Auto Save for Recovery will not start when an image command or operation is active.
- Software program controls/text scale properly when Windows 10 System/Scale and Layout/"Change the size of text..." is set >100%.
- The error when running the Fiber Thickness App in Image-Pro has been fixed.
- Editing a ROI with ROI Mask ON no longer prevents Undo Stack operation.
- Two or more multi-channel Z-stacks may now be locked together and played through image plane by image plane.
- The Magic Wand ROI Validate option now maintains holes when the ROIs are transferred to Feature Manager.
- Line Profile tools will now load/save the current state in Chinese-language user interface.
- Macro recordings containing Auto White Balance will correctly execute.
- The Opacity of Annotations is now properly recorded in a macro when the Line Profile Ribbon is selected.

Release Notes

Image-Pro v10.0.6

New Features

- Added ROI Filled option to Guided segmentation for improved ROI visibility

Improvements

- The Image-Pro Network License no longer mistakenly reports that the license is expired when it is permanently licensed
- Japanese version text and button display issues have been addressed
- Segmentation overlays are now drawn correctly after smart segmentation on large images
- Data Collector no longer fails to collect data from a selected image on multichannel images
- Issues opening PNG files in Image-Pro have been fixed
- The BatchMacro command is now functional when using packaged or encrypted macros or Apps
- The names of image(s) extracted from VLI have been corrected to no longer include the file path in the name
- VLI TIFF images successfully truncate the size of sub-resolution images rather than round
- Tiling Overlay can now be converted to ROI or Measurement from the Features Manager
- Inverted ROIs are now honored in new versions of Processed Volumes
- Deselecting image tint now correctly turns off the tint
- The "Color Measures" text in the L*a*b color feature has been changed
- Randomly tiled image sets no longer incorrectly AutoTile
- Variable outcomes when applying the Reduce Filter has been addressed
- The "Report a Problem" tool is functional
- Color brightfield Nikon nd2 images now open with Hue color assignment rather than color composite images with excitation color assignment
- The description of the "Merge" feature in Image-Pro Help has been updated
- Caliper Tool correctly measures distances by Class markers

Release Notes

Image-Pro v10.0.5

New Features

- Added an internal check to invert X,Y image order for some tiled image sets when creating the tiled stitched image after image alignment.
- Improved display of multichannel fluorescent images by changing the default behavior from best fit for composite image to Each Channel Separately.
- Improved image filter processing to honor the ROI drawn on image set in the Image View mode.

Improvements

- Fixed issue to merge dye and objective lists when a new version of Image-Pro is installed, and use the previous settings option selected.
- Fixed issue with ROIs not being honored when 2D filters are applied to a new image of a color composite image. The new image will maintain the current ROIs from the original image.
- Fixed issue with Image-Pro failing to build a large volume display file for some Thermo Fisher Scientific image sets.
- Fixed issue with the image set Extract Image feature when using multichannel images to extract only the active image range selection.
- Resolved issue with the Extract Dimension button becoming enabled in Color Composite view.
- Fixed issue with 3D Volume Viewer loading a multi-channel image set and switching off Color composite view to display a single monochrome image channel instead of a white cube

Release Notes

Image-Pro v10.0.4

New Features

- Improved image set duplication performance
- Support for Image-Pro 3D Module for Big Data Visualization option

Improvements

- Fixed ROI display for image sets
- Fixed issue with saving modified image sets
- Fixed saving of multi-well plate image sets
- Fixed channel name assignment when duplicating images
- Fixed Image Set modified state after Save or Save As
- Prevented error message when clicking on File/Options/Large Volumes/Source Image folder
- Prevented Feedback Tool error when trying to send feature request

Release Notes

Image-Pro v10.0.3

New Features

- Implementation of Objective Imaging Hardware Automation in Image-Pro with the OI Module
- New image corrections implemented in Image-Pro Capture Module
- Added Dark frame subtraction
- Added Background correction

Improvements

- Update pie chart to include category labels with an option to include values
- Fixed Set Builder issue which fails when added images are VLI
- DM4 Image: Spatial Calibration Unit Name is not passed Image-Pro
- DM4 image fails to open
- Fixed error when using Smart Segmentation with Custom Channel option
- After opening an image sequence from frames using "Open as Sequence" Smart Segmentation is not applying the recipe when counting an image sequence using Collect All Frames within count/size
- Accumulated complex alignment (Rotation + Translation...) is not applied properly to image sequences
- Second instance of Surface Plot View fails
- Zeiss CZI single frame image fails to open due to metadata issue
- Fixed Data Collector issue with Add All Measurements IP10 crash when image is loaded
- Set Builder issue with creation of temporary image sets
- Fixed macro image acquisition issue with failure to capture images
- Open spatial calibration options dialog box increase time to open datasets
- Updated OME Tiff support for Aurox Clarity Files

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Image-Pro v10.0.2

New Features

- Development of Support for Motic Easy Scan VLI images
- Charting tool Improvements – Implementation of Pie Charts
- Revamp Color Composite View Tool
- Implemented ability to save image sequence as individual frames
- Improved Color Composite Panel Changes
- Improved Data Collector formatting for presentation of data
- Updated Audit Trail Functionality
- Added support for IIF file format for some Hitachi datasets
- Added file support for. sws z-stack files

Improvements

- Missing channel tint when MCS saves out files
- Status bar issue with operations MclImageSet.Aoi vs. MclImage.Aoi
- Saving image sets for MCS save does not save correctly
- Dynamic Custom Capture Section missing reset control
- Large LIF file opens partially in Premier 9.3.2
- Auto-recover save crashes occasionally
- Find a proper way to install addin-based apps using IPX files
- Cannot download the Otolith App.
- Incorrect HostID
- Resetting McRegions on image that is a part of Image set takes too long
- Not possible to change Z-spacing of a sequence using Document Properties control anymore
- Capture Settings Panel Flickers During Initial Creation
- Application options dialog reset buttons activate first tab with localized instances
- Default name for save as stops after first dot
- Save As of Image Set to MCS format leaves Modified=True
- Count by ROI feature is inconsistent when only 1 ROI is counted vs when 2 or more ROIs are counted
- New feature request in Image-Pro throws an error message
- Loading calibration file with many calibrations may take too long
- Filters fail on sets when background processing and "New Image" are enabled
- MclImageSet.SpatialCalibration returns Nothing in 10.0.1
- Update pie chart to include category labels with an option to a values
- If image set is opened from TF files with "Group Related Files" option, saving it to MCS file with "Use original file names" option, saves the set will all identical frames
- MclImageSet Extract and Duplicate (Crop) needs to handle VLI sources

- Pie Charts are not a data type in the report creation tool
- McLookupTable.ExtendedLut has no Black/White levels for color images.
- Color Composite Control Panel displays Nevron Chart text in histogram control.
- Add Apply Button to create a color image from Color Composite Panel
- Update Color Composite "Best Fit" to match ImageHistogram "Best Fit" Layout
- Adjust Color Composite Control Spacing
- BL, WL and Gamma settings made in the colour composite view are not reflected in the Advanced display setting and Vice versa
- Assignment to MclmageSetImageChannel.Dye does not update Color Composite
- Color Composite Panel - Hidden Channels shown
- Color Composite Tool - Trying to adjust all channles fails with error on deconvolved dataset
- Bad MCS save of deconvolution result image set
- The help file refers to the "share" tab/ribbon
- IP Crashes when the Video Preview is displayed as a 3D View
- Set Viewer Color Composite Tint change won't stick and button does not show it.

Release Notes

Image-Pro v10.0.1

New Features

- Implement Local Network Licensing using Licensing Server (optional feature)
- Improvement to the Stack Alignment Function with sub-pixel alignment
- Image-Pro setup installs the latest patch
- Capture to existing image destination (overwrite or append)
- Add TWAIN support in 64-bit Image-Pro
- Add Tick Marks to Calibration Marker
- Add a checkbox for setting macro command interactivity
- Add support for the Image Set Analyzer App to macro batch processing
- Add the ability to use Count/Size segmentation methods to define the cells for intensity tracking
- Japanese & Chinese translation of all new features
- Tiling View includes a Calculate Overlaps feature
- New options to flip TWAIN captured image in capture group
- Measured lines may be merged and/or split

Improvements

- Add an option to specify class names in the Single Variable classification dialog
- Seed and Fill Feature limited to ROI
- EDF and Alignment are now image set-aware
- Tiling command Add doesn't add all frames
- Counting large number of objects is very slow
- Counted Holes not restored after manual split
- Updated Parent Child App crashes in IP 10.0
- Child Name in Parent Child App uses Parent Name and not Child Name
- Loaded Apps are disabled on IP 10.0 start up
- IP10 and 9.3.2 crashes on opening non-Hamamatsu .ndpi files
- Load iso-surfaces button not properly displayed in colocalization mode
- Fixed .ipx files if spaces are included in File Name
- Opening file while it is being saved in background generates exception
- Add the ability to assign the image channel to either R, G, or B, in 3D colocalization
- Non-VLI size SVS files should open normally, not as RAW files
- Default Background color option shows as Black even though it is White
- MediaCy.Automation.Samples.VBClient cannot connect to IP 10 32-bit
- Set Navigator in Dark Mode
- Transparency slider in IP 10 3D Viewer Tab centers at 84.2% and not 50% as in v9.3.3
- CC Panel in Dark mode
- Update Measured Line object editing

- Licensing Wizard localization
- 3D Colocalization default report in Japanese localized version
- Convex Hull fails on some features
- McRegions Clip not working correctly in some cases
- Add Features Manager.roi files to the list of files which are automatically packaged with a macro
- Nudge tool size is not accessible
- Project Workbench is slow to act
- Delete key isn't processed in Project Workbench
- Some TIFF files crash IP10.0
- Hitachi files opened as a set ignoring Group Related files option
- Missing SSL for secure license server connection
- Report an Issue in IP10.0 fails
- Some CZI files opened blank in IP10.0
- Tab tooltip makes image set Modified
- Surveyor set SWS set access violation
- "Open Best Fit" ignored for VLI images.
- Thermo Fisher set opens a single frame with navigation bar
- At least some Hitachi tiled sets do not open in the Tiling View
- IP10.0 32-bit fails to open set in 3D view
- Align by feature fails in Basic configuration
- Surveyor Set (SWS) tiles incorrectly and is black if "Best Fit Checked"
- TEM files acquired by Hitachi HT7800 microscope loaded without calibration
- Stepping frame makes image set Modified
- Manual Align window is blank on some computers
- Some OME files throw "subscript out of range" error on open
- Open Best Fit on very long sequences fails
- Escape ignored in Histogram progress meter for long sequences
- Bilevel and Palette TIFF images open Modified
- Malformed mcttDISPRANGETAG causes unpredictable WhiteLevel
- Correct background command doesn't work when background is a file
- Some WMV files are opened with wrong FPS and much larger number of frames
- Leica LIF Experiment leaks an image
- Some Leica LEI files that Leica Viewer can open go to the RAW dialog.
- Tab tool-tip display of image set description not properly formatted
- Assignment to McImageSet.ActiveRegion does not honor section Extent
- Best Fit never applied to DV images
- Best Fit not applied to OIF and OIB data sets.
- Hard crash when loading ND file
- ND2 file opens modified and doesn't apply best fit.
- Perkin Elmer TIM file format issues
- Image Strip unresponsive immediately after Save As.