

PhoXi Control Changelog

Known Issues

SCAN-2742 C# API class PhoXiFeatureInterface is not working properly, method always returns false

1.2.26

- SCAN-2613 Fixed crash when client application runs from write restricted directory
- SCAN-2607 Improves API logging
- SCAN-2553 Fix in temperature readout.
- SCAN-2552 Bug fix of frozen user interface after unsuccessful disconnection attempt.
- SCAN-2551 Bug fix of the device remaining in the occupied state after the disconnection.
- SCAN-2537 Crash Fix of API call isConnected after the device was disconnected.
- SCAN-2535 Point cloud is cleared from 3D Viewer after data from Camera Only mode arrive
- SCAN-2517 Data serialization fix.
- SCAN-2515 Fixed crash on connect to file camera that no longer is on its original path
- SCAN-2513 PhoXi Control without GUI now uses the correct scanning profile.
- SCAN-2510 Fixed C# API bug related to data ownership
- SCAN-2491 Fixed crash when missing environment variable PHOXI_CONTROL_PATH.
- SCAN-2488 Fix of wrongly reported acquisition time when ScanMultiplier was greater than 1.
- SCAN-2478 Changing resolution is faster
- SCAN-2472 Lower latency of changing scanning settings.
- SCAN-2458 Bug fix in API call PhoXiDevice->GetType()
- SCAN-2421 API calls to change scanning settings on FileCamera now return false.
- SCAN-2374 Improved PhoXi Control crash detection in the API
- SCAN-2287 API throws exception instead of aborting.
- SCAN-1903 Fixed problem with IPv4 of the device not being sent under specific circumstances

1.2.22

- SCAN-2394 Introduced Interreflections filter
- SCAN-2390 Bug fix: API correctly handles customer application exit
- SCAN-2383 Fixed wrong acquisition timestamp when Camera Only Mode was on
- SCAN-2365 PRAW files loaded via API are in a correct order
- SCAN-2316 New file format for firmware update packages (*.PUP)
- SCAN-2300 Added import and export of profiles into API
- SCAN-2288 Debug symbols are generated for Linux builds

- SCAN-2264 Possibility to prefer IPv4 connection over IPv6 by setting up environment variable
- SCAN-2252 New C++ and C# examples for working with profiles
- SCAN-2241 File camera with multiple PRAWs displays correct parameters for all files
- SCAN-2230 Introduced profiles into API
- SCAN-2170 Added LED Power user setting
- SCAN-2148 Ports available for scanner connection are scanned in parallel threads, avoiding API calls timeouts
- SCAN-2132 Improved frame and device information displayed in the left menu, including timestamps, the total number of scans the device has performed, device firmware, device model and temperature of the projection unit control board and laser diode
- SCAN-2127 Fixed output of custom types in C# Connect and Grab example
- SCAN-2125 Fixed problem with PhoXi Control installation on Ubuntu into relative directory
- SCAN-2121 New application icon
- SCAN-2117 Improved frame and device information displayed in the left menu, including timestamps, the total number of scans the device has performed, device firmware, device model and temperature of the projection unit control board and laser diode
- SCAN-2104 Fixed issue in the import of user profiles
- SCAN-2052 Introduced Halcon compatible binary PLY files without metadata
- SCAN-2044 PhoXi Control generates crash dump files on Windows environment
- SCAN-2041 New C++ example on how to get temperatures of the projection unit control board and laser diode
- SCAN-2000 C# API changes to support LabView integration
- SCAN-1996 Selected scanner stays in focus after a new scanner is discovered on the network
- SCAN-1995 2D Image visualizer background changed to grey
- SCAN-1986 User is required to accept EULA during installation
- SCAN-1979 User is required to accept EULA during installation
- SCAN-1971 GetSpecificFrame() with zero timeout returns the correct frame
- SCAN-1949 File camera with multiple PRAWs displays correct parameters for all files
- SCAN-1908 SaveLastOutput() became thread-safe and does not cause occasional loss of data
- SCAN-1898 Acquisition timestamp now accounts for the value of Scan multiplier
- SCAN-1894 Added support for Projection Offset Left and Projection Offset Right into API
- SCAN-1869 Interlocked scanner does not grab texture under LED light
- SCAN-1868 Improved frame and device information displayed in the left menu, including timestamps, the total number of scans the device has performed, device firmware, device model and temperature of the projection unit control board and laser diode
- SCAN-1862 Improved application of texture to the point cloud
- SCAN-1845 3D Viewer allows to zoom-in more closely to the point cloud
- SCAN-1788 Improved frame and device information displayed in the left menu, including timestamps, the total number of scans the device has performed, device firmware, device model and temperature of the projection unit control board and laser diode

- SCAN-1782 Improved frame and device information displayed in the left menu, including timestamps, the total number of scans the device has performed, device firmware, device model and temperature of the projection unit control board and laser diode
- SCAN-1780 Added Projection Offset Left and Projection Offset Right user settings for the projection ROI selection
- SCAN-1775 Firmware update preserves user settings
- SCAN-1672 New API example: Apply custom transformation
- SCAN-1671 Updated Readme files for API examples
- SCAN-1588 Thermal calibration available for devices with new firmware
- SCAN-1551 Fixed PhoXi Control crash when two processes disconnect the device
- SCAN-1549 “Restore default settings” button resets intensity to the originally calculated value
- SCAN-1481 Diagnostic scan recording
- SCAN-1474 PhoXi Control GUI no longer request focus on the scanner connection event
- SCAN-1345 Scanners can be entered into PhoXi Control via their IP address
- SCAN-1338 -nogui command line parameter was removed
- SCAN-1174 Faster connection to a scanner that was idle for a long time
- SCAN-974 GetSpecificFrame() indicates if the requested frame cannot be returned
- SCAN-373 Introduced profiles into API

Release of PhoXi Control 1.2.14 & FW 1.2.14

- SCAN-1580 [application] Gamma correction checkbox was moved into texture groupbox
- SCAN-1389 [application] Marker patterns are now available directly from the application
- SCAN-1206 [API] ExternalCamera API example supports computation of colored point cloud
- SCAN-1173 [API] Added parameters CalibrationVolumeOnly and MarkerScaleX, MarkerScaleY to C# API
- SCAN-1126 [API] Extended API examples
- SCAN-1119 [API] Added C# WinForm API example
- SCAN-1117 Exposed marker scale settings for recognition of custom sized marker patterns
- SCAN-1085 [FW] Software version of laser safety interlock was added to scanner firmware
- SCAN-1079 Option to scan outside of the calibration volume
- SCAN-941 New C++ API examples:
 - * Using PhoXi API with OpenCV
 - * Using PhoXi API with PCL
 - * Correct connecting and disconnecting
 - * Using multiple scanners (single thread)
 - * Using multiple scanners (multithreads)
 - * Data handling (access to raw point cloud)
- SCAN-906 New C++ API example “ChangeSettings”: demonstration of changing all possible settings
- SCAN-802 [application] Timestamp is uniformly displayed along the various image tabs

- SCAN-789 Updated C++ FullAPIExample to demonstrate all the features
- SCAN-723 Dependencies removed for Visual Studio version C# API examples
- SCAN-722 Updated C# FullApiExample to demonstrate all the features
- SCAN-719 [application] 3D Viewer updated for faster and smoother rendering
- SCAN-660 API does not require specific compiler configuration files
- SCAN-598 New demo scans bundled with the application
- SCAN-558 Bugfix: PhoXiFactory::isPhoXiControlRunning() returned False even when PhoXi Control was running
- SCAN-542 New C++ API example: getting intrinsic parameters of the camera unit
- SCAN-539 Exposed option to set laser power
- SCAN-490 Interface documentation available on
[+<http://halcon.photoneo.com/>+|<http://halcon.photoneo.com/doc/hAcqPhoXi.html>]
- SCAN-479 Various C# API fixes:
 - * BadImageFormatException C# MSVC 14
 - * Support for Visual Studio 2017
- SCAN-455 [API] API connection prevents mutiple connection requests
- SCAN-423 Fixed test speed functionality on Linux
- SCAN-393 Improved C# API example documentation
- SCAN-370 Network discovery over the WiFi is not reliable
- SCAN-349 About window contains commit ID
- SCAN-299 API contains a function to store scans in all supported formats
- SCAN-257 Added option to override existing files for recording (default is false)
- SCAN-256 Network configuration validation against accidental misconfiguration for IPv4
- SCAN-244 Bugfix: API call AttachFileCamera with a custom name did not create the file camera
- SCAN-242 File camera created by drag & drop has the name of the parent directory
- SCAN-237 When the disk writing speed is a limiting factor recording on a free run may omit a scan
- SCAN-231 Option to hide settings and visualisation settings panes
- SCAN-212 A one-click log-out from the device (removing stop acquisition button)
- SCAN-201 Bugfix: Deleting praw file caused the file camera to freeze
- SCAN-199 File cameras management (keeping it in the list permanently, removing from the list)
- SCAN-157 Import / export of scanning profiles. Introduced *.phop file format.
- SCAN-150 Set of read-only scanning profiles for major use cases
- SCAN-148 External (color) camera alignment support. Alignment of external color texture over point cloud
- SCAN-140 Scanning parameters tooltips
- SCAN-130 Confidence parameter renamed to "Maximum Inaccuracy" in GUI
- SCAN-129 Exposed image sensor calibration parameters in API

- SCAN-113 Default PLY saving options now contains point cloud, normals, texture and the file is in the binary format
- SCAN-98 Autoload of filecamera containing only 1 file
- SCAN-94 Default view restored automatically after changing the point cloud coordinate space
- SCAN-93 Inverted markers are now default
- SCAN-78 Support for the new scanning settings in Halcon
- SCAN-69 New layout for network discovery
- SCAN-65 Configurable scanning profiles containing set of scanning parameters
- SCAN-56 Chinese localization
- SCAN-55 New device states: starting, terminating
- SCAN-44 Checkbox "Save on set" replaced by the button "Set and Store"
- SCAN-31 Data cutting by normal vectors and ROI in camera or point cloud coordinate spaces
- SCAN-20 New C++ API example "RotatedCalibration": remembering positions of rotary table with marker pattern
- SCAN-6 New ASCII output format (TXT)