

IPGScan ReleaseNotes.txt

Version 1.0.0.14238

- Process Timeline / Detailed Timeline
 - Timeline Tabular Representation enhancements
 - Automatic dry run on table edit for Timeline
 - Timeline playback controls
- OTF Beam Trajectory
- Beam Projection Volume
- Rearrange groups
- Bug Reporting Utility Integration
- Improved STL Alignment
- Simulated Robot Trajectory
- Rotary Marking
- Added Dryrun flag for Remote API JobStart
- Faster Dirty Window Sensor and IO Polling
- Enhancements to JobGetStatus command
- Automatically open job on JobStart TCP command if a job is not opened
- Addition of TCP commands for Dirty Window Sensor functionality
- Additions of TCP command for Alarm Manager
- Head Visualization
- New new TCP command to reset all active alarm - "SystemResetAllAlarms"
- Defocus
- Display of Available IO
- Report of Laser Status, "LaserGetStatusCode", "LaserGetStatusMessage"
- Bug Reporting Utility is now able to handle much larger attachments
- Bug Reporting Utility version is now attached to the SVN version (this version should show as "1.0.0.13585")
- Camera Scan Adjustment factor addition
- Rectangular Field Of View
- Support for larger STL files
- Error Proofing
 - PLC Handshake
 - Galvo Position Monitor (Beta)
 - Heartbeat (needs ScanController software ver 6.15-r12038 and above)
- IPGScan suite installer

- Signed installers
- Bugfixes

Version 1.0.0.10697 (08/26/2020) (Requires ScanPack version 0.1.10661)

- Enhancements
 - Projection Volume visualization
 - Beam Tracking visualization- Font style for text shape
 - ScanControllerUtility functionality in IPGScan
 - Recovering unknown static IP scanner automatically feature
 - Enhanced vision functionality
 - Init Actions for Point and Shoot Job type
 - Adapter Transform adjustments
 - Energy Table for Points and PointArray when in welding mode.
 - Sort types for MultiShape- Wait for Strobe Action under Wait action
 - Barcode fill using points
 - Multiline support for barcode- Usage of Ready Bit option for stored jobs XML
 - Added stage/encoder tracking visualizations
- Bug Fixes
 - Fixed Worldview for Point and Shoot type of jobs-Enhanced LoadRegisterByDate action for various formats of dates-Fixed "EnableRotary menu cancel doesn't update status of the software" issue
 - Fixed "Monitor doesn't update when number of probes are not in sync with the scanner
 - Fixed XML export for XML format so it can be loaded in the web browser without errors
 - Fixed stored job error- Renamed GPI1 to GPIO1 in System IO Screen- Fixed barcode invert issue.
 - Changed MultiShape so that basic shape can be added in editing mode- Fixed "losing canvas when changing the job type"- Updated "LoadRegister via TCP" and "LoadRegister via TCP client" for addition of "FirstResponse"- Fix or memory leak and GDI objects leak- Enhanced TCP interface
 - Fixed "Snap To Viewport" doesn't apply rotation bug- Fixed timeline bug "passed objects become yellow after closing Processing screen"
 - Added manual link in Help menu
 - Changed so "Locked" shapes and actions can't be rearranged by dragging in job tree
 - Fixed MultiShape sort making shape flat (losing z coordinates)

• Version 1.0.0.9800 (02/18/2020) (Requires ScanPack version 0.1.9798)

- Custom Barcode using Fill group
- Enhanced export to CSV
- Export to XML

- Shutdown Laser action
- Vision - Edge, Seam and Hole detection
- Automatic camera calibration
- IDS camera support
- Lucid Vision camera support (preliminary)
- Alarm Manager
- Remote API:
 - New commands to TCP/IP interface:
 - ScannerGetMessageStatus
 - SystemGetVersion
- Point and Shoot job type
- New languages - Spanish
- STL registration/part alignment (preliminary)
- Override processing parameter for a run
- SVG file import
- Laser On/Off action
- JavaScript support for Load Register
- Other bug fixes and UI enhancements
- Version 1.0.0.8937 (07/17/2019)
 - Added option to enable or disable rotary configuration.
 - Added stored jobs functionality.
 - Added Weld End Point functionality to Multi Shape Editor.
 - Remote API:
 - Commands to TCP/IP interface:
 - ScannerGetWorkspacePosition
 - ScannerGetList
 - ScannerGetConnectionStatus
 - ParkAt
 - JobOpenList
 - TCP command "ScannerUnlock" can now be called with no argument.
 - Added help for TCP/IP interface.
 - TCP logs can now be saved to disk.
 - Added Vision Action Controls
 - Prevented the 'save' prompt appearing when closing a remotely opened job.
 - Added cross hatch or additional fills features.
 - Added Exclusion Radius feature for Spiral.
 - Added Sine, Cosine, Tangent and Atan2 to Math Load Register.
 - Added Reflow.

- Added detailed time line.
- Added language support:
 - Chinese
 - Japanese
 - Portuguese
- Changed Job ID to represent the Group ID and Object ID to represent the object count.
- Improved responsiveness of alignment feature.
- Removed Xiris camera support.
- Added option to save logs to disk.
- Added Recent Jobs section in Jobs Explorer.
- Version 1.0.0.8270
 - Added ActionControls for SetPortF, ClearPortF, and ClearStage
 - Can edit EnergyOffset or LaserTable for multiple shapes at once
 - Added ABB functionality
 - Added color property for camera crosshairs
 - Remove maximum value limit for XYZ based controls
 - Added ability to copy/paste a group's world view pose
 - Added Wait for Done option to Timer Action
 - Allow scrolling in the tree when dragging an object
 - Added rotation to nudge control
 - Fixed bug with the Remote API starting when connecting via Ethernet to load a register
 - Fixed bug with Robot Tracking
 - Fixed bug with Russian computers
 - Fixed bug with XML files and starting multiple instances at the same time
 - Fixed bug resulting in extra files being created
- Version 1.0.0.7818
 - STEP file imports
 - Bug Fixes
- Version 1.0.0.7560
 - Offset Save Fix
 - Minor Bug Fixes
 - World View bug fixes
 - New TCP Commands
 - Camera Updates
- Version 1.0.0.7358
 - Improved Kuka trajectory recorder
 - Improved Shapes Nudge functionality
 - Circle's "Start Angle" and "End Angle" properties are changed to floating point

- Expanded number of register variables from 10 to 24
- Multiple instances support
- Global clipboard
- Bugfix for "Snap To Robot" and "Snap To Viewport"
- Bugfix for kinematics calculations
- Version 1.0.0.7176
 - World View Feature
 - Robot FANUC KAREL
 - Updated Graphics Math
 - TCP Commands not case sensitive
 - Minor Bug fixes
 - Point Arrays update
 - Old jobs containing point arrays may look slightly different
- Version 1.0.0.6555
 - Merged into IPGScan
 - IPGWeld
 - IPGMarking
 - IPGClean
 - Camera AutoFocus
 - Barcode and Image fill updates
 - Bug Fixes
 - Yaskawa Motoman Trajectory Fix
- Version 1.0.0.5815
 - Bug Fixes
- Version 1.0.0.5742
 - Bug Fixes
- Version 1.0.0.5714
 - Security Updates
 - Serial Communication Updates
 - Backwards Compatible
 - Improved Object Offset Calculations
- Version 1.0.0.5680
 - KUKA Robot Support
 - Security Updates
 - Improved DXF Fill
 - Multishape Editor
 - Stage Action Controls
 - 3D Autofocus

- Version 1.0.0.5222
 - Non-Blocking Canvas Size messages on startup
- Version 1.0.0.5205
 - Fixes Save File Bug
- Version 1.0.0.5045 requires ScanPack 0.1.5030
 - Improved Russian/English Translation
 - FANUC and Yaskawa Motoman On-The-Fly Support
 - 3D Head Support