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Software wenglor uniVision 3 DNNF023

Release Notes

Compatibility

The following uniVision 3 products each have their own version number:

- Software wenglor uniVision 3
- uniVision job
- Firmware B60

The version number of software and firmware products consists of three digits (e.g. Software uniVision 3.0.0):

- Major release: The first digit is changed (no job compatibility)
- Feature release: The second digit is changed (job must be converted via job converter)
- Bugfix release: The third digit is changed (jobs are compatible)

The following generally applies with regard to the compatibility of uniVision job files:

- For uniVision jobs, there are only two digits in the version number, as the job format does not change for bugfixes (third digit changed).
- Jobs with a specific two-digit version number can only be opened on devices with a suitable version of the firmware or set up using a suitable version of the software.
- After a firmware update with new features (second digit changed) on a device (e.g. Smart Camera), the corresponding software version must be installed and existing uniVision jobs must be converted. Details can be found in the operating instruction for the wenglor uniVision 3 software.

> **NOTE!**
> - Different feature versions of the software wenglor uniVision 3 (different second digit) can be installed in parallel on Windows PCs.
> - The software wenglor uniVision 3 can be installed in parallel to uniVision 2 software versions.

The following table shows which versions are compatible with each other:

Software wenglor uniVision 3	uniVision job version	Firmware B60
3.0.x	3.0	1.0.x
3.1.x	3.1	1.1.x

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Version	Release Date	Description	Compatibility
3.1.2	12.04.2024	Bugfix and performance improvements: • Module Image Pattern Match: Memory leak resulting in high RAM is solved when running job with pattern match for several hours.	• uniVision job: 3.1 • Firmware B60: 1.1.2
3.1.1	02.02.2024	Bugfix and performance improvements: • After saving jobs offline in uniVision Simulator, selecting records in Image Container Viewer is now possible without error messages (e.g. in Module State of Device Smart Camera). • Device Smart Camera: Chunk data linked in other modules are now set to Error state if chunk data is deactivated. • Module Image Pattern Match: Angles are now calculated correct in case of selecting any sorting by mm option.	• uniVision job: 3.1 • Firmware B60: 1.1.1

Version	Release Date	Description	Compatibility

3.1.0	11.12.2023	New features:
		
		• Device Smart Camera:
		  » Support of B60 with Autofocus (Optic Control)
		  » Support of illumination module (white, IR and RGBW) at B60 with Autofocus (Light Control)
		  » Support of test object status LEDs (red and green LEDs) on illumination module (Test Object Status Control)
		  » Invert x any y of image (Image Format Control)
		  » New output "Processing Active" at Digital IO Control
		  » Provide meta data together with image (Frame ID, Missed Trigger Counter, Line 1-6 Status, Position X and Y of position sensor) at Chunk Data Control
		• Module Image Calibration:
		  » Additional Calibration Size 24x30 mm
		  » Option to compute undistorted image (in order to use undistorted image as input image in other modules)
		• Module Image Locator, Pattern Match, Blob, Code 1D and Code 2D: Calibration as optional input
		• Module HALCON Script: Use HALCON debug server in uniVision Simulator (only in offline uniVision jobs!)
		• Support of Device Industrial Ethernet (for Industrial Ethernet protocol PROFINET)
		• New LIMA command to get list of available jobs
		• Support of several user languages (DE, EN, FR, IT, ES, PT, NL, HU, TR, ZH, RU)
		• Job converter
		Minor bugfixes and performance improvements.
			• uniVision job: 3.1
			• Firmware B60: 1.1.0

3.0.3	02.02.2024	Bugfixe Release: • Connecting to Machine Vision Devices in case of multiple different uniVision GUI versions (e.g. uniVision 3.0 and 3.1) installed on the same Windows PC. • Correct deinstallation of only relevant uniVision 3.0 GUI version	• uniVision job: 3.0 • Firmware B60: 1.0.2

Version	Release Date	Description	Compatibility
3.0.2	15.11.2023	Update of operating instructions	• uniVision job: 3.0 • Firmware B60: 1.0.2
3.0.1	19.08.2023	Bugfix and performance improvements: • Module Image Measure: Linking the result "Quality of Fit [%]" e.g. of "Find Line" tool works correct now so that the result can be used as input in other modules. • Module Image Code 1D/2D: The position of codes is now displayed correctly ("nan" results of angle Phi are prevented). • Module Image Code 1D/2D: User-friendly names for e.g. "Enhanced Parameter". • Module Statistic: Linking of "Reset Statistic" with values of datatype REAL works now correct.	• uniVision job: 3.0 • Firmware B60: 1.0.1
3.0.0	04.08.2023	Initial version for the market introduction	• uniVision job: 3.0 • Firmware B60: 1.0.0