JENNY SCIENCE

Software History Tvi36V5

8.02A - 30th of October 2024

Fixes

- Missing TCP/IP events "@S1"/"@S2" at moves to actual position fixed

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8.02 - 11th of October 2024

New

- Profinet MC_HOME support
- Force Monitoring Verification support
- Storage of force calibration data into motor can now be disabled which is useful if force calibration is run frequently
- New ASCII-Commands
    - PMHSD Profinet MC_HOME Support Disable
    - FMV Force Monitoring Verification
    - FCSM Force Calibration Storage Mode
- New SDO Objects corresponding to ASCII-Commands
    - 0x5003:102
    - 0x5003:103

8.00B - 09th of September 2024

- No functional changes

8.00A - 27th of August 2024

Improvements

- General WebMotion® improvements
    - Preserve zoom when changing motion diagram display data
    - Logarithmic sliders changed to linear
    - Input fields in the MOVE section of move axis by click now persistent
    - Selected filter in advanced settings section of setup state controller now persistent
    - Filter not set automatically, when selecting desired frequency in FFT diagram
    - Various minor optical improvements

- Consistency of PSR bits and internal trajectory generator state improved
- Various improvements in service menu

8.00 - 19th of July 2024

New

- General synchronisation of controller firmware Xvi75V8S, Xvi48V8 and Tvi36V5
- New ASCII-Commands
    - BCSPR Buffered CSP reserve

Improvements

- General controller improvements
    - Cyclic synchronized position mode with feed forward
    - More accurate I2T calculation
    - General calculation optimization within controller

- General WebMotion® improvements
    - Various optical adjustments
    - More detailed information in application data file
    - Extended error history buffer

7.06A - 27th of September 2023

- Spurious initialisation problem of CSP mode 8 after powerup solved
- Small current bump after finishing Drive_I_Force eliminated

7.06 - 12th of June 2023

- Ethernet/IP profile position mode support
- controller stability at speeds >1.3m/s improved

7.04 - 03th of April 2022

- Ethernet over EtherCAT (EoE) support
- Simple TCP interface optimized for faster data throughput
- New info 28 "IP Range overlap"
- Faulty controller state after quickly switching power stage on and off fixed
- General stability improvements for the USB Ethernet interface
- General controller performance improvements

7.02 - 24th of November 2022

- Profinet support
- Functionality "Position Window Time" added (selectable delay of the PSR-Bit "IN_POSITION" and Statusword-Bit "Target Position Reached")
- New ASCII-Command
    - PWT Position Window Time

- New SDO Objects corresponding to ASCII-Commands
    - 0x6068
    - 0x5001:42

- USB descriptors adapted for reliable detection of INTAX® device over USB on following operation systems: Windows, Linux, MacOS
- Update time of PDO objects 0x2005 (I_Force Actual) and 0x200A (Force Actual Value) reduced to 100us
- New error 54 "Measuring system failure"
- INTAX® serial number available via WebMotion®
- Various service functions added (service command line, crash handler, ...)
- Position filter and absolute position calculation adapted for series production

- WebMotion® access preventable by pin
- Incorrect trajectory calculation in cyclic synchronized position mode with velocity feed forward corrected
- Spurious problems at storing force calibration data corrected (prevent error 82 while storing force calibration data)
- Spurious problems at industrial ethernet firmware update corrected

7.00E - 24th of October 2022

- Faulty behaviour fixed during processing of PDO data
- Power Continue made more tolerant (spurious error 100 fixed)
- Various optical adjustments in WebMotion®

7.00D - 02th of September 2022

- Quickstart function improved
- New ASCII-Commands
    - LARES Linear Axis Resolution
    - LAST Linear Axis Stroke
    - RP Repeat Positions
- Faulty behaviour of PSR Bit I_FORCE_LIMIT_REACHED and corresponding Warning 30 fixed
- Industrial Ethernet Licence integrity improved

7.00C - 12th of August 2022

- Renaming/Redefinition of the INTAX® Servocontroller name to "Tvi36V5"
- Blocked revisions 7.00, 7.00A and 7.00B from loading
- Industrial Ethernet Licence integrity improved

7.00B - 25th of July 2022

- Space vector pulse width modulation optimized for less noise at very low current

7.00A - 20th of July 2022

- Over current supervision made more tolerant (spurious error 70 fixed)
- Bug in space vector modulation at high speeds fixed (higher speed can now be achieved)

7.00 - 04th of July 2022

- Initial version with INTAX® Tx36V5 support