

Version History

November 2018



SDACQ32MP SDK

Version 3.5.0

- SDACQ32MP.DLL version 2.2.5.0
 - Bug fixes: CFE-USB
 - Support for tec5 Laser light source type BEK-LAS
 - Support for Hellma MUX-FS

Version 3.4.0

- SDACQ32MP.DLL version 2.2.4.0
 - Supports for CME-USB, CFE-USB
 - New sensor types supported for CFE-USB:
 - PDA CMOS Hamamatsu S12198
 - PDA CMOS Hamamatsu S11637
 - PDA CMOS Hamamatsu S11637
 - PDA CMOS Hamamatsu S13496
 - PDA CMOS Hamamatsu S11639 AB
 - PDA CMOS Hamamatsu S13496 AB
 - 64 bit applications: Bug fix in channel allocation and mapping

Version 3.3.0

- SDACQ32MP.DLL version 2.2.2.0
 - New tec5 light source type BEK-HMP supported
 - Bug fixes
 - Supports Windows 7 SP1, Windows 8.1 and Windows 10 (32 / 64 bit)
Windows XP and Vista no longer supported

Version 3.2.0

- SDACQ32MP.DLL version 2.2.1.0
 - MUX-O supported
 - Independent operating mode of operating electronics

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Version 3.1.1

- SDACQ32MP.DLL version 2.1.1.0
- Bug fix in internal library
- New sensor type supported:
 - Carl Zeiss PGS-NIR HM 512

Version 3.1

- SDACQ32MP.DLL version 2.1.0.0
- Migration to MSVC 11.0 (Microsoft Visual Studio 2012)
 - Native 64 bit libraries
 - Supports Windows XP, Vista SP2 (both 32 bit), Windows 7 SP1 and 8 (32 / 64 bit)
 - Support for PD-ETH01 /DP, PD-PCIe01 and SEU-CGS
 - New sensor work modes (depends on the used operating electronics and its driver/firmware version)
 - New sensor types supported:
 - *Hamamatsu S1115x*
 - *Carl Zeiss CGS*
 - New tec5 light source type *BEK-Laser* supported
 - **SSE2 capable CPU required**

Version 3.0

- SDACQ32MP version 2.0.1.0
- Migration to MSVC 9.0 (Microsoft Visual Studio 2008)
 - Supported under Windows XP, Windows Vista and Windows 7
 - Support for PD-ETH01 and COE-USB11
 - Legacy electronics components no longer supported:
 - *PD-ISA16V3, PD-10401V1, MOE-V1, DPU-USB / MMS-CCD, FEE-003, FEE-HR, FEE-NIR, FEE-CCD, MUX-4A*
 - New sensor work modes (depends on the used operating electronics and its driver/firmware version)
 - New sensor types supported:
 - Hamamatsu S9840
 - Hamamatsu S11071
 - Shutter control mode more sophisticated by default, Old behaviour of V1.x selectable
 - New tec5 light source type BEKSW supported
 - Global library initialization functionality

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- New functions for
 - Accessing I²C temperature sensors
 - Access to on-board EEPROM for customer-specific data
 - Reading/writing multiple digital inputs/outputs

Version 2.6

- SDACQ32MP.DLL version 1.12.0.0
- Migration to MSVC 8.0 (Visual Studio 2005)
- MS CRT/MFC 8.0 Runtime DLLs
- Windows NT 4 build no longer available
- Windows Vista® compatible
- Support for PD-USB01V2
- Linearization functionality documented
- C# .NET demo wrapper class with example
- ***New license key required***

Version 2.5a

- SDACQ32MP.DLL version 1.11.0.2
- MS MFC 7.1 Runtime DLLs
- New front end types supported:
 - FEE-1M /NMOS
 - FEE-1M /NIR
 - FEE-1M /CCD
- Support for long integration times (up to 65 sec / 520 sec)

Version 2.4

- SDACQ32MP.DLL version 1.9.0.0
- BEKHD2V2:
 - *New tec5 light source type supported*
- 5 calibration coefficients (for 4th order polynomial calibration) supported
- New backwards compatible list of sensor types
- New sensor types supported:
 - *Carl Zeiss PGS-NIR 1.7 12SUI*
 - *Carl Zeiss PGS-NIR 2.2 HPK*
- New multiplexer type MUX-FSM supported:
 - optical fiberswitch¹⁾ with 3/4/6/8(9) channels,*
 - simply usable as a new multiplexer type with*

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automatic built-in control (by RS232 interface)

¹⁾ from piezossystem jena GmbH (www.piezojena.com)

Version 2.3

- SDACQ32MP.DLL version 1.8.2.0
- PD-USB01V1:
 - Bug fixes, PnP functionality optimized
 - System requirements:
 - Driver version 2.0.0.0 or higher
 - Windows 2000 or higher
- DZA-S7030-4 und DZA-S7010-1:
Calculation of min. integration time modified
- Hamamatsu_G92xx:
Integration time calculation modified (for sensors >256 pixel)
- MMS_NIR_LX:
New supported sensor size: 256 optical pixel
- New functions added:
 - *SDACQMP_ParaSetHardwareFlashMode2()*
Enable hardware flash together with the ST_SCAN signal (Start of Scan) if the hardware driver version does support this functionality.
 - *SDACQMP_GetStoredIntensity()*
Get the intensity (maximum and minimum values) of the last data acquisition without considering of the dark current intensity

Version 2.2

- SDACQ32MP.DLL version 1.7.2.0
- Migration to MSVC 7.1 (Visual Studio .NET 2003)
- Support of inverted shutter control
- Support of the NIR sensor type 'Hamamatsu_G92xx'

Version 2.1

- SDACQ32MP.DLL version 1.7.0.4
- Migration to MSVC 7.0 (Visual Studio .NET)
- Support for MUX-2OPT
- Asynchronous access from multiple threads

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Version 2.0

- SDACQ32MP.DLL version 1.6.4.6
 - Full support of PD-USB01V1
 - Support of asynchronous modes for PD-10401V1 (since driver version 1.006)
 - Added function SDACQMP_ParaSetHWConfigurationEx for direct configuration with sensor rows