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SDACQ32MP SDK

Version history

Version 3.0

- Migration to MSVC 9.0 (Microsoft Visual Studio 2008)
- SDACQ32MP version 2.0.1.0
 - 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
- 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

For more information please contact:

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- ***New license key required***

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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
automatic built-in control (by RS232 interface)*

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

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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'

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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

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