

Information regarding ZEN 2010 B SP1 (Release 6.0, Build 485)

The service pack is a full installation. It is not required to have ZEN 2010 B installed prior to installing ZEN 2010 SP1, but the necessary license files must be provided. Internet download is available for the full version (not Lite). The contents of the hot fixes for ZEN 2010 are incorporated.

The Service Pack is for ZEN 2010B as well as for ZEN 2010m. After installation ZEN 2010B will be displayed in the software. Please check as well point 4 of this document.

The Service Pack ZEN 2010B is released for the current series but **NOT FOR LSM 7 LIVE DuoScan**. Please see point 2 for details.

When installing ZEN 2010B SP1 the task "Resolution Test" within the SMT (Self Maintenance Tool) will be replaced by the "Sharpness Test". The resulting measurement values displayed in the "Sharpness Test" cannot directly be compared with the ones given in the "Resolution Test".

1. Part numbers

Basis Software			Basis Software ZEN 2010 for LSM 710/780
			Basis Software ZEN 2010 for LSM 700
	000000	1771	478 Basis Software ZEN 2010 for
	000000	1787	786 ConfoCor 3
	000000	1787	787 Basis Software ZEN 2010 for LSM 7
	000000	1787	784 LIVE
Additional license			Software ZEN 2010, additional
	000000	1771	479 license
Softwareoptions	000000	1784	461 Topography ZEN 2010
	000000	1784	453 3 D for LSM ZEN 2010
	000000	1784	462 Stitch Art plus for ZEN 2010
	000000	1784	452 Image VisArt for ZEN 2010
	000000	1784	457 Physiology for ZEN 2010
	000000	1784	454 Deconvolution for ZEN 2010
	000000	1784	458 Macro Edit and Record for ZEN 2010
	000000	1784	460 Multiple Zeitseries for ZEN 2010
	000000	1784	459 Visual Macro Editor for ZEN 2010
	000000	1784	455 FRAP for ZEN 2010
	000000	1784	456 FRET for ZEN 2010
	000000	1784	463 ICS for ZEN 2010
	000000	1784	683 ROI HDR for ZEN 2010
	000000	1764	478 FCS for GaAsP ZEN 2010
	000000	1764	201 Softwaremodule PCH
	000000	1764	200 Software module Diffusion/Fitting

2. Approved instruments and accessories

In short: the current product line, but not LSM 7 LIVE with DuoScan.

Computer	R 650, W 360, Esprimo P7935, Esprimo P7936, Z800
Operating systems	Microsoft Windows Vista Ultimate 32/64-bit, Microsoft Windows 7 Ultimate 64-bit Microsoft Windows XP 32-bit
Basic instruments	LSM 710 LSM 780 LSM 7 MP LSM 700 LSM 7 LIVE LSM 7 DUO
Stands	AxioObserver AxioImager AxioExaminer

Accessories	LSM BIG for LSM 710, LSM 780 und LSM 7 MP. LSM 7 LIVE DuoScan is not approved	000000-1684-270 000000-1684-310
	Mot. Stage DC 130 x85, DC 130 x100 with MCU 28 und MCU 2008	432031-9901-000 432031-9902-000 432028-9901-000
	Mot. Stage 130 x 85 und 225 x 85 PIEZO (D)	432022-9901-000 432023-0000-000
	Mot. Stage Prior	000000-0505-442
	T-PMT	000000-1410-107
	10 x NDD-Detector	000000-1410-100...103 000000-1528-351...353
	GaAsP NDD-Detector	000000-1410-153
	HBO 50	423003-9000-000
	HBO 100	423010-0000-000
	HAL 100	423000-9901-000
	X-Cite 120	000000-1313-168
	HXP 120 C	423013-9000-000
	Laser Chameleon	
	Laser Mai Tai	
	Laser In Tune	
	Piezo Objektiv PI	000000-1325-210
	Z-Piezo stage PS Jena	432335-9000-000
	Z-Piezo stage Prior	000000-1586-530
	Definite Focus	424533-9000-000
	AxioCam MRm Rev. 3.0	426509-9901-000
	AxioCam MRc Rev. 3.0	426508-9901-000
	AxioCam HRm Rev. 3.0	426511-9901-000
	AxioCam HRc Rev. 3.0	426510-9901-000
	AxioCam MRc5 Rev. 3.0	
	TempModul S1 for Incubator M/XL	411860-9010-000
	CO ₂ Modul S1 for Incubator M/XL	411857-9010-000

3. Installed components with different version numbers

The comments relate to the programs with MIB-J authorship.

The automatic build creates the version numbers for the compiled files. For VBA macros, these differ from the version number of the other files. The version number for VBA macros is a 6-digit number, where the two highest numbers include the release number, and the 4 lowest digits are the build number. All VBA Macros thus have the version number 550443.

Dateiname	Beschreibung	Version
CZCanSrv.exe	CAN Communication Server	7.19.1.0
CanCheck	CanCheck	6.05
System_Maintenance_Tool.exe	System Maintainace Tool	6.0.8.0
Configuration Tool 2010.exe	System Configuration Tool 2010	7.0.0.12

4. Functional improvements

General:

It includes all functional enhancements that have been done for ZEN 2010m release. The list below gives some examples of these improvements. This list however is not complete.

(1)	Support of 64 Bit operating systems for LSM 700
(2)	Piezofocus and Piezo stages available for LSM 700
(3)	Dual-layer measurements (Topography/MAT, if Topography license available)
(4)	Content of project Brinell (Topography/MAT, if Topography license available)

5. Makros

The file with the multi-time macro MTS is named „MultitimeZen2009_2010.lvb“ for ZEN 2010 SP1.

6. Manuals

The Operating manuals will be saved during installation:

ZEN 2010 LSM 710, LSM 780, LSM 710 NLO, LSM 780 NLO and ConfoCor 3 Operating Manual, June 2010\Manuals\LSM710_780_ZEN_2010.pdf

ZEN 2010 LSM 7 MP Operating Manual, June 2010\Manuals\LSM7MP_ZEN_2010.pdf

ZEN 2010 LSM 700 Operating Manual, June 2010\Manuals\LSM700_ZEN_2010.pdf

ZEN 2010 LSM 7 DUO Operating Manual, June 2010\Manuals\LSM7DUO_ZEN_2010.pdf

ZEN 2010 LSM 7 LIVE / LSM 7 LIVE DuoScan Operating Manual, June 2010\Manuals\LSM7LIVE_ZEN_2010.pdf