

Dear Sirs and Madams,

You are interested in a computer-controlled product or you have already bought one. If you need, we sell you the applicable hardware (PC or Notebook). You can also use your own hardware, when the conditions are complied as follow. Even in case the conditions are compiled please consider that internal hardware components can cause incompatibility with software drivers. We recommend testing your hardware in Lübeck, before we install your product. Liability is excluded for all errors or problems.

When placing the order and using your own hardware, please return this document signed by e-mail to call@bon.de or fax (+49 (0)451-80900-10)!

- We need to check the full compatibility of your PC or notebook in our company (head office in Lübeck) or by arrangement at your premises.
- In order to avoid data loss or software damage please make a data backup in advance. We assume no liability in the event of damage or data loss.
- We install the product software on your system. We will inform you, when the correct installation (due to your hardware) is not possible. An additional expenditure (for example the elimination of hardware issues) costs 89,00 Euro/h.
- Fee for software installation on your PC (not provided by b o n) upon delivery of a device 250.- Euro
- Fee for software installation on your PC (not provided by b o n) for later installation 300.- Euro
- Consultation with your software provider: 300.-€ depending on complexity

I have read these references:

\_\_\_\_\_  
Company/practice (stamp)

\_\_\_\_\_  
date, signature

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## 1 Phoenix 2.x, 3.x, 4.x

	Phoenix 2.0	Phoenix 2.1	Phoenix 2.5	Phoenix 2.6	Phoenix 3.0	Phoenix 3.1	Phoenix 3.2	Phoenix 3.4	Phoenix 3.6	Phoenix 3.7	Phoenix 4.0.1.8	Phoenix 4.1.0.7	Phoenix 4.1.1.5	Phoenix 4.1.3.0	
xp 32 bit	X	X	X	X	X (*)	X (*)	X (*)	X (*)	not supported						* XP starting from P 3.0 version, Framework 3.5 installation is required
7 home / professional 32 bit with SPK1			x	x	x	x	x	x	x	x	not supported				
7 home / professional 64 bit with SPK1			X	X	X	X	X	X	X	X	not supported				** starting from P 4.0 version, NET 4.0 Framework installation is required
8/8.1 home / professional 32 bit					X	X	X	X	X	X	X (**)	X (**)	X (**)		
8/8.1 home / professional 64 bit					X	X	X	X	X	X	X (**)	X (**)	X (**)		
10 home / professional 64 bit									X	X	X (**)	X (**)	X (**)	X (**)	
11 home / professional 64 bit											X (**)	X (**)	X (**)	X (**)	

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# Formular Hardware-Requirements and confirmation backup

		Software updates rules rev. 21.04.2023																																
Years		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019		2020		2021		2022		2023						
Months		1-12	1-4	5-12	1-2	3-10	1-12	1-12	1-2	3-10	1-12	1-8	9-12	1-11	1-12	1-2	3-4	5-6	7-8	9-10	11-12	1-2	3-4	5-6	7-8	9-10	11-12	1-4	5-12	1-3	4-7	7-12	1-4	5-xx
Phoenix		2.0 *		2,1 *		2,5 *		2,6*		3.0 *		3,1 *		3,2 *		3,4		3.6		3.7		4.0.0.57		4.0.1.8		4.1.0.7		4.1.1.5		4.1.3.0				
MS-39		NOT YET ON THE MARKET															SUPPORTED																	
Sirius		HARDWARE UPGRADE REQUIRED. CONTACT SUPPORT@CSOI.TALIA.IT		FIRMWARE UPGRADE REQUIRED from 2.5 to 2.6		SUPPORTED*					SUPPORTED					FIRMWARE UPGRADE OPTIONAL		SUPPORTED																
Sirius +		NOT YET ON THE MARKET															FIRMWARE UPGRADE REQUIRED FOR SIRIUS + PRODUCED BEFORE APRIL 2021		SUPPORTED															
Antares		NOT YET ON THE MARKET					FIRMWARE UPGRADE REQUIRED from 3.6 to 3.7					SUPPORTED																						
Antares +		NOT YET ON THE MARKET															SUPPORTED																	
Modi firewire		FIRMWARE UPGRADE REQUIRED from 2.1 to 2.5		SUPPORTED*					SUPPORTED					NOT SUPPORTED																				
Modi USB3		NOT YET ON THE MARKET															SUPPORTED																	
Perseus		NOT YET ON THE MARKET					SUPPORTED*					SUPPORTED					UNDER DEVELOPMENT																	
Cobra 2Mpx		NOT YET ON THE MARKET		NOT SUPPORTED																														
Cobra 5Mpx		NOT YET ON THE MARKET					SUPPORTED*					SUPPORTED																						
Cobra USB3		NOT YET ON THE MARKET															SUPPORTED																	
Cobra+		NOT YET ON THE MARKET															SUPPORTED																	
Dig. Camera Lira274 (firewire)		FIRMWARE UPGRADE REQUIRED from 2.5 to 2.6		SUPPORTED*					SUPPORTED																									
Dig. Camera F145C2 Digital vision (32 bit firewire)		SUPPORTED (supported only by windows XP and 7 at 32 bit)															NOT SUPPORTED																	
Dig. Camera Opera (firewire)		FIRMWARE UPGRADE REQUIRED from 2.1 to 2.5		SUPPORTED*										NOT SUPPORTED																				
DigBS USB3 Naos		NOT YET ON THE MARKET					SUPPORTED*					SUPPORTED																						
DigBS 5 Mpxts Mizar		NOT YET ON THE MARKET															SUPPORTED																	
Osiris		NOT YET ON THE MARKET					SUPPORTED*		SUPPORTED					UNDER DEVELOPMENT		SUPPORTED																		
Osiris - t		NOT YET ON THE MARKET					SUPPORTED*		SUPPORTED					UNDER DEVELOPMENT		SUPPORTED																		

\* DB conversion from this version to version 4.0 is not supported (needs to be upgraded at least to version 3.4)

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## 1.1 Notices to connected devices

For using a bon FireWire device on an existing computer, please make sure that a FireWire Card with a Texas Instruments chip set is installed.

iMacs (2015 – 2017) require an adapter from Thunderbolt to IEEE1395.

iMacs from (2017 and later) require a USB-C to Thunderbolt and a Thunderbolt to IEEE1394 adapter.

**For all** bon USB 3.0 devices must be ensured, that there is a USB 3.0 interface on the existing computer.

bon product	Connection	Important notice
Cobra	FireWire/USB 3.0	External power supply necessary, also with short cable. FireWire Repeater or USB 3.0 necessary!
DigiPro3	FireWire	From cable length longer than 2,5m is an external power supply necessary. FireWire Repeater necessary!
DigiPro4	USB 3.0	USB 3.0 cable with active power supply necessary. Computer USB 3.0 interface necessary.
Sirius	FireWire	From cable length longer than 4,5m is an external power supply necessary. FireWire Repeater necessary!
EyeTop-S	FireWire	External power supply necessary, also with short cable. FireWire Repeater necessary!
Antares, Antares+	USB 3.0	USB 3.0 cable with active power supply necessary. Computer USB 3.0 interface necessary.
MS-39 OCT	USB 3.0	USB 3.0 cable with active power supply necessary. Computer USB 3.0 interface necessary.
Mizar	USB 3.0	USB 3.0 cable with active power supply necessary. Computer USB 3.0 interface necessary.
Sirius+	USB 3.0	USB 3.0 cable with active power supply necessary. Computer USB 3.0 interface necessary.

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## 2 MultiVisus

### 2.1 Hardware-Requirements

Display	Processor	RAM	video card an memory	ports	resolution	Important notice
19 Zoll	Pentium 4 from 2 GHz (recommended Intel Core2 Duo or higher)	2 GB	Twin card with desktop enhancement	2 free USB ports v.2.0	1280 x 1024	Notebook with display port, DVI or HDMI output with desktop extension is supported / polarizing filter VA direction (45° / 135°) or circular. Color depth must be at least 24bit DVI or HDMI cable up to 10m and / or appropriate adapter solutions.
22 Zoll		2 GB			1680 x 1050	
24 Zoll		2 GB			1920 x 1080	
		2 GB				
		2 GB				

### 2.2 Software-Requirements

MultiVisus is compatible with following versions of Windows.

Windows Version	XP	XP (Standalone)	POS 2009 (Standalone)	Vista (32Bit)	Vista (64Bit)	7 (32Bit)	7 (64Bit)	8 (32Bit)	8 (64Bit)	8.1 (64Bit)	10 (32Bit)	10 (64Bit)
MultiVisus ab Version 9.0		**	**	x	x	x	x	x	x	x	x	x
MultiVisus ab Version 8.2	x	x	x	x	x	x	x	x	x	x	x	x
MultiVisus ab Version 7.7	x	x	x	x	x	x	x	x	x	x	?	?
MultiVisus ab Version 6.9.7 (ohne IR-FB)	x	x	x	x	x	x	x	x	x	x	?	?
MultiVisus ab Version 6.9.7 (mit IR-FB)	x											
MultiVisus unter Version 6.9.7 (ohne IR-FB)	x	?	?	?		?		?			?	
MultiVisus unter Version 6.9.7 (mit IR-FB)	x											

\*\* Windows Imaging Component must be installed, MultiVisusControl only up to version 1.9.5  
 ? Runnability is possible, but cannot be guaranteed

General reference:

AMD processors and chip sets are not recommended!

When performing an update, the firmware of the Dongle must be replaced. Therefore we need the Dongle Number of MultiVisus-System, that is located directly on the USB Dongle.

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### 3 Medmont Studio Software for Perimeter M-700 and Topographer E-300

E300 Topographer must be connected directly to the USB port, USB hubs are not supported. Please use the USB ports on the back of the computer.

**Chip set with known problems:**

Intel GMA X3100, GMA3500, GMA4500 / Intel graphic media accelerator series / Intel Extreme Graphics series / Nvidia GeForce 9300GS, 8400GS, 8500GT, 7500LE, 7100GS, 7200GS, 7300GS, 7300LE, 6200TC, 6200SE

Operating System	Medmont Studio Version	Notices
Windows 10 Professional (recommended), Windows 11 and Home (x64 and x86), or Windows Server 2016, 2019 (64-bit-editions only)	From Version 5.x.x	Win 11 is now compatible for Medmont studio version 7

- **PC Requirements :**

- PC and Mains Powered Peripherals:
- EN/IEC60950 Compliant
- PC Requirements OS:
- Microsoft™ Windows™ 10 Professional (recommended) and Home (x64 and x86), or, Windows Server 2016, 2019 (64 bit editions only)
- Processor: Intel™ Generation 6 i5 or later
- Motherboard: Genuine Intel™ chipset highly recommended
- VIA chipsets have proven to be unreliable
- Memory: 8 GB for non-video captures, 16 GB for video captures.
- Hard Disk Space: 40 GB for non-video, 200GB for video captures (the more the better)
- Video cards: GPUs with dedicated memory of 2 GB or more are recommended. GPUs that share memory require 128 MB of memory minimum and are not recommended.
- Screen resolution: 1920 x 1080 recommended, minimum supported 1280 x 720
- Printer: Bubble-jet or Laser-jet printer (Color / Monochrome)

- **USB**

- At least 1 USB 2.0 Compliant port on the PC

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## 4 Accutome all devices

### 4.1 Hardware-/ Software requirements

<b>Accutome</b>	<b>Operating system Connection</b>	<b>Resolution</b>	<b>Connection</b>
All devices	Win10	min. 1920x1080	USB

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