

Compliant list for Baumer industrial cameras / Camera Link® **AN201401/v05/2018-08-14**

Description

The equipment listed below has been tested successfully with the following Baumer camera models featuring Camera Link® interface.

Products

LXC cameras
HXC cameras (except HXC13)
SXC cameras

Preparation

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1 Technical Background

The following listed equipment has been tested successfully with Baumer Camera Link[®] cameras. The tested PC configurations, PCI Express boards as well as accessories performed within the specification without any limitations in the data transfer of cameras in the PC configuration.

2 Test platforms

2.1 Recommended Standard PC configuration for operation of Baumer Camera Link[®] cameras


	Single-camera system	Multi-camera system
CPU	Intel [®] Core [™] i5-2520M CPU @ 2.50GHz, Cores: 4	Intel [®] Core [™] i7-3770 CPU @ 3.40GHz, Cores: 8
RAM	4 GB	8 GB
OS	Microsoft [®] Windows 7 [™] 32/64 bit systems Microsoft [®] Windows 10 [™] 32/64 bit systems Linux Kernel 4.7.x 32 / 64 bit systems	
Graphics	recommended resolution at least 1280 x 1024, color depth 32 bit	


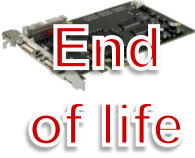
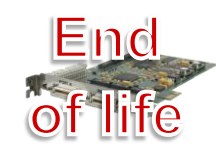
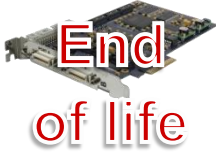

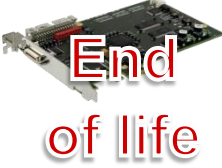


2.2 Tested Standard PCs





Test Equipment	Manufacturer / Reseller	Description	Function
PCDERAD345	Casawave Station i5	<ul style="list-style-type: none"> - Microsoft[®] Windows[®] 7[™] Professional 32bit - Intel[®] Core i5-3550, 3,3 GHz - BIOS Intel Corp. 09.08.2012, BHZ7710H.86A.0085.2012.0809.1641 - RAM 8GB - Intel Desktop Board DZ77BH-55K 	performance within specification without limitation
PCDERAD0520	Dell Optiplex 9020	<ul style="list-style-type: none"> - Microsoft[®] Windows[®] 7[™] Enterprise 64bit - Intel[®] Core i7-4790, 3,6 GHz - BIOS Dell Inc. A09, 20.11.2014 - RAM 16GB 	performance within specification without limitation
PCDERAD0536	ASUS X99-F WS	<ul style="list-style-type: none"> - Microsoft[®] Windows[®] 10[™] Enterprise 64bit - Intel[®] Core i7-5820K, 3,3 GHz - BIOS American Megatrends 2003, 04.03.2015 - RAM 16GB 	performance within specification without limitation

3 Camera Link[®] interface

3.1 PCI Express boards tested with CL Config Tool


	Manufacturer / Reseller	Type / Name	Description
	Silicon Software	mE5-MA-ACL	<ul style="list-style-type: none"> - Base, Dual Base Medium and Full Configurations supported - Quad Lane PCI Express interface - DMA1800 Technology - 512 MB DDR3-RAM On-board - 2 x SDR26 connector - A-series (image acquisition board) - Baumer article no.: 11165522

	Silicon Software	mE5-MA-VCL	<ul style="list-style-type: none"> - Base, Dual Base Medium and Full Configurations supported - Quad Lane PCI Express interface - 2GB MB DDR3-RAM On-board - DMA1800 Technologie - 2 x SDR26 connector - V-series (Image processing board) - Baumer article no.: 11181607
	Silicon Software	microEnable IV AD1-CL	<ul style="list-style-type: none"> - Base, Dual Base and Medium Configurations supported - Single Lane PCI Express interface - 128 MB DDR-RAM On-board - 2 x MDR26 connector - Highly reliable image acquisition - Integrated hardware-based features - Baumer article no.: 11014580
	Silicon Software	microEnable IV VD1-CL	<ul style="list-style-type: none"> - Base, Medium and Full Configurations supported - Single Lane PCI Express interface - 256 MB DDR-RAM On-board - 2 x MDR26 connector - Highly reliable image acquisition - Integrated hardware-based features
	Silicon Software	microEnable IV VD4-CL	<ul style="list-style-type: none"> - Base, Dual Base Medium and Full Configurations supported - Quad Lane PCI Express interface - 512 MB DDR-RAM On-board - 2 x MDR26 connector - Highly reliable image acquisition - Integrated hardware-based features - Baumer article no.: 11090612
	Silicon Software	microEnable IV AD4-CL	<ul style="list-style-type: none"> - Base, Dual Base Medium and Full Configurations supported - Quad Lane PCI Express interface - 2 x MDR26 connector - 256 MB Image Buffer - Baumer article no.: 11014581
	Silicon Software	microEnable IV AS1-PoCL	<ul style="list-style-type: none"> - Base Configurations supported - Single Lane PCI Express interface - 128 MB DDR-RAM On-board - 1x MDR26 connector - Integrated hardware-based features - Power over Camera Link supported - Baumer article no.: 11077586
	Matrox	Helios-eCL	<ul style="list-style-type: none"> - Base, Medium and Full configurations supported - Number of Camera Taps up to 10 taps/8-bit - Quad Lane PCI Express interface - 2 x MDR26 connector - Up to 512 MByte DDR SDRAM memory
	Matrox	Radient-eCL	<ul style="list-style-type: none"> - Matrox Radient eCL-SF single-Medium/Full CameraLink frame grabber - GBDDR2-667 SDRAM - Altera Stratix III EP3SL150-C4 processing FPGA - Matrix Imaging Library (MIL) drivers for 32/64-bit Win XP / Vista / 7

	Dalsa	XCelera-CL PX4 Full	<ul style="list-style-type: none"> - full-, medium-, and base-configuration - Pixel Clock up to 85 MHz - Bits/Pixel up to 16 - Number of Camera Taps up to 8 taps/8-bit - Extended feature set supports non-CameraLink pixel/tap configurations - 2 x MDR26 connector - Host Bus PCIe x4 - Frame Buffer 128 MB - Processing ILUTS, Flat Field, Flat Line, Dead Pixel, Bayer - GPIO On-board 4-in/4-out
	National Instruments	PCIe-1433	<ul style="list-style-type: none"> - full-, medium-, and base-configuration - supports up to 10-tap, 80-bit acquisition at 20 to 85 MHz pixel clock frequency - 850 MB/s of bandwidth over two Camera Link cables - Onboard 512 MB FIFO enhances performance for highest bandwidth - Optional digital I/O expansion card for extra triggering and isolation
	Euresys	Grablink Full	<ul style="list-style-type: none"> - Support of one 80-bit, Full, Medium or Base Camera Link[®] configuration camera - ECCO: Extended Camera Link Cable Operation - On-board pre-processing - 10 digital I/O lines compatible with a wide range of sensors and encoders - bandwidth: up to 850 MB/s - 128MB on-board memory - MultiCam drivers for Microsoft Windows[®] and Linux (32- and 64-bit)
	Bitflow	Karbon-CL	<ul style="list-style-type: none"> - One base, medium or full CL camera^{**}) - Half-Size x8 PCI Express Board - Up to 128 bits input at 85 MHz - General purpose I/O - Drivers, utilities and examples for - Windows XP/2003/Vista/Windows 7




**) Deca mode not fully supported

3.2 Express Card tested with CL Config Tool

	Manufacturer / Reseller	Type / Name	Description
	Imperx	FrameLink Express Card / 54 laptop VCE-CLEX01	<ul style="list-style-type: none"> - Two channel Camera Link frame grabber - Dual Base or Medium Configurations supported - Number of Camera Taps up to 3 taps/8-bit - 2 x SDR26 connector - Express Card interface - Baumer article no.: 11078081

4 Camera Link® accessories

4.1 Data interface cables

	Manufacturer / Reseller	Description	Article-No.	Cable length
	Baumer	- MDR/MDR	11008811	3 m
			11008810	5 m
			11008812	10 m
		- MDR/SDR	11046254	5 m
			11046253	10 m
		- SDR/SDR	11077296	5 m
	11077854		10 m	

5 Related Topics

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6 Downloads

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7 Support

In the case of any questions or for troubleshooting please contact our support team.

Worldwide

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8 Legal Notes

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