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1 Introduction

This document informs about accessories that were found to work well with Basler ace USB 3.0 cameras. In addition, the document gives general advice about selecting suitable accessories and using them.

The following kinds of accessories were tested by Basler:

- USB 3.0 host adapters with their specific host controller chipsets, firmware, and drivers
- USB 3.0 hubs and USB 3.0 hub power supplies
- USB 3.0 cables.

The accessories that were found to work well with Basler ace USB 3.0 cameras are listed in [Section 2](#).

Further accessories not yet tested and listed in this document can nonetheless be suitable for use with Basler ace USB 3.0 cameras. More accessories are constantly being tested and added to this document.



We strongly recommend using the accessories that are offered as Basler accessories. They were extensively tested for optimum performance.

Basler USB 3.0 accessories are listed in Section 2 on [page 3](#) with their specific Basler Item Numbers for ordering.

For more information about accessories available from Basler and about purchasing, go to the Basler website: www.baslerweb.com

1.1 General Recommendations

For smooth operation of your Basler ace USB 3.0 camera:

- Use accessories obtained from Basler if possible. In addition, we strongly recommend to only use accessories that are in accord with the USB3 Vision standard and that are certified by the USB Implementer's Forum, Inc. (USB-IF).
- Avoid using a hub unless necessary.
- Use a powered hub rather than a passive one.
- Use the port that provides the most stable connection. The performance of individual ports on a PC or hub can differ.
- When laying USB 3.0 cables, avoid unnecessary bending and coiling.

2 Recommended Accessories

As tested by Basler, the following accessories were found to work well with Basler ace USB 3.0 cameras (see also Section 1 on [page 1](#)).

You can use Basler Item Numbers (see below) for ordering the related accessories from Basler.

Recommended USB 3.0 Host Adapters

The following table lists host adapter cards except for the last entry. It refers to Intel 7 Series chipsets located on PC mainboards.

Manufacturer	Model	Controller Chipset	Driver Version: Indicated Version or Higher	Basler Item Number
	USB 3.0 Card PCIe, Renesas, 1 HC, x1, 2 Ports	Renesas μ PD720200	2.1.39.0	106650
	USB 3.0 Card PCIe, Renesas, 1 HC+, x1, 2 Ports	Renesas μ PD720202	3.0.23.0	106789
	USB 3.0 Card PCIe, Renesas, 4 HC, x4, 4 Ports	Renesas μ PD720202	3.0.23.0	2000034476
HighPoint	RocketU 1144C, 4 Ports	ASMedia ASM1042	1.16.12.0	
GWC ⁽¹⁾	PU3040, 4 Ports	VIA VL800	6.1.7600.1803	
Lycom	UB-120Ti, 4 Ports	TUSB7340	1.16.3.0	
TI	TUSB7320EVM, 2 Ports	TUSB7320	1.16.3.0	
	Present in several PC models	Intel 7 Series ⁽¹⁾	1.0.8.251	

Table 1: Recommended USB 3.0 Host Adapters

⁽¹⁾ Worked well for cable lengths up to 3 m. Not recommended for cable lengths longer than 3 m, based on the cable test results gathered so far.

For more Information about the maximum bandwidths provided by different host adapters, see the Application Note *USB 3.0 Host Controllers' Maximum Bandwidth Measurements*. You can download the Document free of charge from the Basler website: www.baslerweb.com

Recommended Basler USB 3.0 Hub (with Associated Uplink Cable: Hub – PC) and USB 3.0 Hub Power Supply

Model	Basler Item Number
USB 3.0 Hub, 4 Ports	2000034169
Power Supply 40 W for USB 3.0 Hub, 4 Ports	2000034291

Table 2: Recommended Basler USB 3.0 Hub and USB 3.0 Hub Power Supply

Recommended Basler USB 3.0 Cables (Downlink: Camera – PC or Camera – Hub)

Model	Length [m]	Basler Item Number
Cable USB 3.0 Micro B Screw Lock/A	3	2000033239
Cable USB 3.0 Micro B Screw Lock/A	5	2000033241
Cable USB 3.0, Micro B Screw Lock/A	8	2000034891

Table 3: Recommended Basler USB 3.0 Downlink Cables

Revision History

Doc. ID Number	Date	Changes
DG00111501000	20 Feb 2014	Initial release of this document.
DG00111502000	26 Sep 2014	<ul style="list-style-type: none">■ Updated part numbers and descriptions of the recommended USB 3.0 host adapters.■ Added recommended USB 3.0 hub power supply.■ Added recommended USB 3.0 cable (8 m).

