

## USB 2.0



Small, handy and cost-effective - these are the main characteristics of USB 2.0 industrial cameras. USB cameras have become integral parts in the area of medicine and microscopy.

We offer a wide range of different variants. Whether with or without housing, as board-level or single-board, with or without digital I/Os - we offer the suitable camera for your application.

### About USB 2.0

The consumer interface USB 2.0 was introduced in the year 2000 and there is no image processing standard. For this reason every manufacturer has its own proprietary driver. However, we offer a unified driver for all of our products: [mvIMPACT Acquire SDK](#).

The USB 2.0 interface supports a **gross bandwidth of 480 MBit/s**. With a **max. cable length of 3.5 m (using consumer cables)** the interface is suitable for

1. cost-critical applications and
2. applications with short a distance between camera and processing unit.

	USB 2.0	USB 3.2 Gen 1	Gigabit Ethernet	Dual Gigabit Ethernet
Gross bandwidth [MBit/s]	480	5000	1000	2000
Net bandwidth [MB/s]	30	300 + x	120	240
Max. cable length [m]	3,5	8 (100 with optical)	100	100

Introduction interface	2000	cables) 2010	2004	2008
Introduction image processing standard	-	2013	2006	2012