

Embedded Vision products with USB 2.0

- [mvBlueFOX-MLC](#) - Low-cost USB 2.0 board-level cameras

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	PCI Express Gen.2
Gross bandwidth [MBit/s]	480	5000	16000 (x4 Lanes)
Net bandwidth [MB/s]	30	300 + x	1500 (x4 Lanes)
Max. cable length [m]	3.5	8 (100 with optical cables)	0.3
Introduction interface	2000	2010	2007
Introduction image processing standard	-	2013	-