



Bonito CL-400 200 fps

Camera^{Link}

Description

High Speed camera, 4 Megapixels with 193 fps, Camera Link

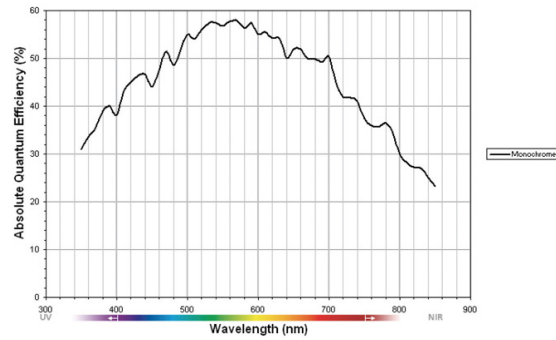
The Bonito CL-400B/C 200 fps reaches 193 fps at full resolution. Allied Vision Technologies offers this slower Bonito version at a lower price than the fast version. It comes with the same CMOS global shutter sensor. Higher frame rates can be reached with a smaller ROI (region of interest).

- 193 fps at 2320 x 1726 pixels
- Global shutter CMOS sensor (excellent sensitivity due to microlenses)
- Robust and lightweight aluminum alloy housing
- High data rates, 1 x 10 tap Camera Link Full+ with 80 MHz
- Very low power consumption, <4 W
- Options:
 - Available with C/F/EF-Mount

Specifications

Bonito		CL-400 200 fps	
Interface	1 x 10-tap Camera Link Full+		
Resolution	2320 x 1726		
Sensor	CMOS Sensor 4 MPixel		
Sensor type	CMOS Progressive		
Sensor size	Type 4/3		
Cell size	7 µm x 7 µm		
Lens mount	C/F/EF-Mount		
Max frame rate at full resolution	193 fps		
A/D	10 bit		
Output			
Bit depth	8 bit		
Mono modes	Mono8		
Operating conditions/Dimensions			
Operating temperature	+5 °C ... +45 °C		
Power requirements (DC)	12 V		
Power consumption (12 V)	4 W		
Mass	390 g (C-Mount)		
Body Dimensions (L x W x H in mm)	44.2 x 80 x 70 mm incl. connectors, w/o tripod and lens		
Regulations	CE, RoHS (2002/95/EC)		

[Download technical drawing \(click here\)](#)



Smart features

- ROI (Region of Interest)
- Fixed pattern noise (FPN) correction
- Digital Gain (selects 8 of 10 bits for output)
- Offset (brightness)
- Exposure time: 1.5 μ s, up to 1 s (recommended), > 1s also possible
- Continuous mode (image acquisition with maximum frame rate)
- Image on Demand mode (triggered image acquisition)

Applications

The Bonito CL-400B/C 200 fps is a good choice for applications which require a fast frame rate and excellent image quality. Its global shutter CMOS sensor is ideally suited for high-resolution motion capture. Another benefit is the robust, lightweight, and very compact housing. The camera transmits the images to the frame grabber in real-time.

Typical applications:

- Applications with high demands on image quality and fast frame rates
- Motion capture with high resolution
- 3D recordings of still and moving objects
- Science and research
- Medical imaging
- High speed imaging in general