



# Bonito

## CL-400 200 fps

- Bonito CL-400 200 fps High Speed camera, 4 Megapixels with 193 fps, Camera Link



## 基本描述

### 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).

Benefits and features:

- 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, <4.2 W

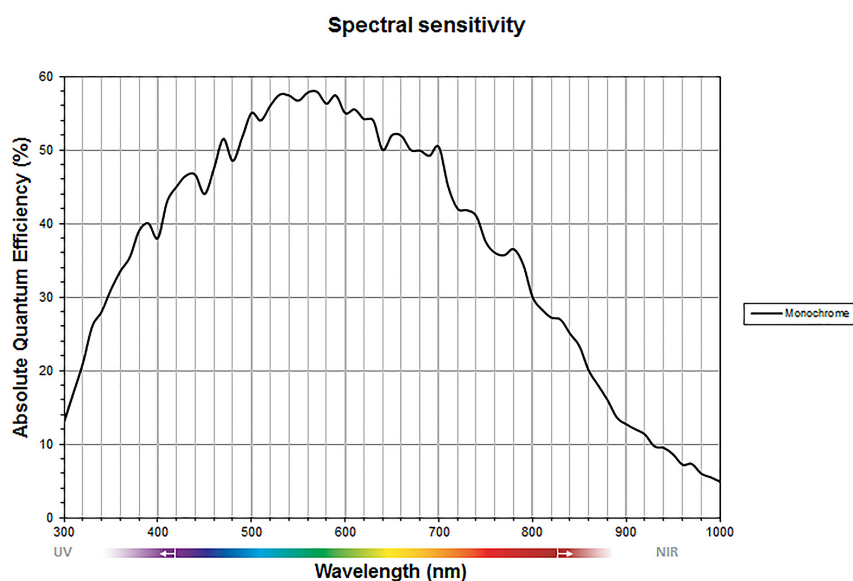
Options:

- Available with C- / F- / EF-Mount

## 性能参数

Bonito	CL-400 200 fps
接口	1 x 10-tap Camera Link Full+
分辨率	2320 (H) × 1726 (V)
传感器	CMOS Sensor 4 MPixel
传感器类型	CMOS
传感器尺寸	Type 4/3
像元尺寸	7 μm × 7 μm

Bonito	CL-400 200 fps
标准镜头接口	C-Mount, EF-Mount, F-Mount
最大满帧帧率	193 fps
ADC	10 bit
缓存 (RAM)	
	输出
Bit位数	8 bit
黑白像素格式	Mono8
	通用输入输出口(GPIOs)
光耦 I/Os	1 in, 1 out
	工作条件/尺寸
工作温度	0 °C to +45 °C
电源要求 (DC)	12 V
功耗	4.2 W @ 12 VDC
重量	350 g (C-Mount)
尺寸(L × W × H in mm)	44.2 × 80 × 70 (including connectors)
符合规范	CE: 2014/30/EU (EMC), 2011/65/EU (RoHS)



## 特性

- Region of interest (ROI)
- Fixed pattern noise (FPN) correction
- Digital gain (selects 8 of 10 bits for output)
- Offset (brightness)



- Exposure time: 3.0  $\mu$ s, up to 1 s (recommended), > 1s also possible
- Continuous mode (image acquisition with maximum frame rate)
- Image on demand mode (triggered image acquisition)



## 应用场景

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