



Bonito

CL-400

- High speed camera
- Compact Design
- Robust, lightweight housing
- Very low power consumption



基本描述

High Speed camera, 4 Megapixels with 386 fps, Camera Link

The Bonito CL-400B/C is a high speed camera with excellent image quality and a robust metal housing. It comes with a very sensitive CMOS sensor with global shutter. This high speed camera runs 386 fps at 4 Megapixel resolution. Considerably higher frame rates can be reached with a smaller ROI (region of interest).

Benefits and features:

- High speed camera, 386 fps at 2320 x 1726 pixels
- Global shutter CMOS sensor (excellent sensitivity due to microlenses)
- Robust and lightweight aluminum housing
- High data rates, 2 x 10-tap Camera Link Full+
- Very low power consumption, 4.2 W

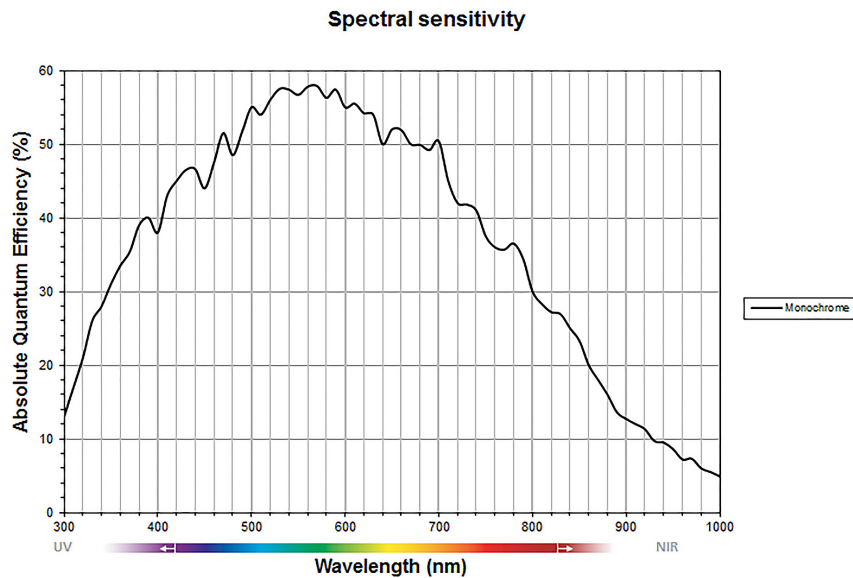
Options:

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

性能参数

Bonito	CL-400
接口	2 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

Bonito	CL-400
像元尺寸	7 μm \times 7 μm
标准镜头接口	C-Mount, EF-Mount, F-Mount
最大满帧帧率	386 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(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	360 g (C-Mount)
尺寸(L \times W \times H in mm)	44.2 \times 80 \times 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: 1.5 μ s, up to 1 s (recommended), > 1s also possible
- Two readout modes:
 - 386 fps with two 10-tap Camera Link outputs
 - 193 fps with one 10-tap Camera Link output
- Continuous mode (image acquisition with maximum frame rate)
- Image on demand mode (triggered image acquisition)



应用场景

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

Typical applications:

- Applications with high demands on image quality and very 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