



Bigeye P-1100

GiGE VISION **Camera** Link

Description

11 Megapixel CCD camera, cooled Kodak 35 mm sensor

The Bigeye P-1100B/C is a high-resolution cooled CCD camera. It includes a sensitive 35 mm Kodak sensor. Due to the cooling to 0°C, this camera features high-resolution imaging with outstanding signal-to-noise ratio.

- 11 Megapixel Kodak CCD sensor with anti-blooming circuit
- 1.6 fps / 3.2 fps with binning
- Peltier cooled (0°C absolute)
- Excellent dynamic range
- 1 ms up to 60 seconds exposure time
- Options:
 - GigE (standard) or Camera Link interface

Models:

Bigeye P-1100B Cool (Monochrome), GigE

Bigeye P-1100C Cool (Color), GigE

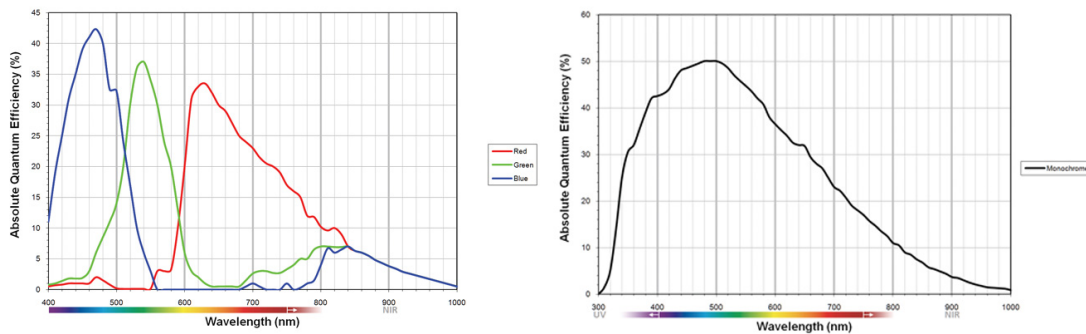
Bigeye CL-1100B Cool (Monochrome), Camera Link

Bigeye CL-1100C Cool (Color), Camera Link

Specifications

Bigeye		P-1100	
Interface		IEEE 802.3 1000baseT	
Resolution		4024 x 2680	
Sensor		Kodak KAI-11002	
Sensor type		CCD Progressive	
Sensor size		Type 35 mm	
Cell size		9 µm	
Lens mount		F-Mount	
Max frame rate at full resolution		1 fps	
A/D		14 bit	
		Output	
Bit depth		12 bit	
		Operating conditions/Dimensions	
Operating temperature		0 °C ... 40 °C	
Power requirements (DC)		12 V	
Power consumption (12 V)		36 W	
Mass		1450 g	
Body Dimensions (L x W x H in mm)		143 x 90 x 99 incl. connectors, w/o lens	
Regulations		CE, RoHS (2002/95/EC)	

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



Smart features

- Binning (1 x 2)
- Gain (6 dB)
- Exposure time 1 ms - 60 seconds
- Continuous mode (image acquisition with maximum frame rate)
- Image On Demand mode (triggered image acquisition)

In combination with AVT's AcquireControl software, extensive image analysis functions are available:

- BCG LUT (brightness, contrast, gamma)
- Auto contrast
- Auto brightness
- Analyze multiple regions (rectangular, circle) within the image
- Real-time statistics and histogram display
- ... and more

Applications

The Bigeye P-1100B/C is the perfect choice for image acquisition with high resolution and low noise. Exposure times from 1 ms up to 60 seconds qualify this camera for a variety of applications. Short exposure times with low trigger latency ensure sharp images of moving objects. Long exposure times with the cooled sensor produce images with outstanding low noise.

- High resolution, low noise image acquisition of still and moving objects
- Low noise images with long exposure times (cooled sensor)
- Scientific imaging
- Medical imaging