



# 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

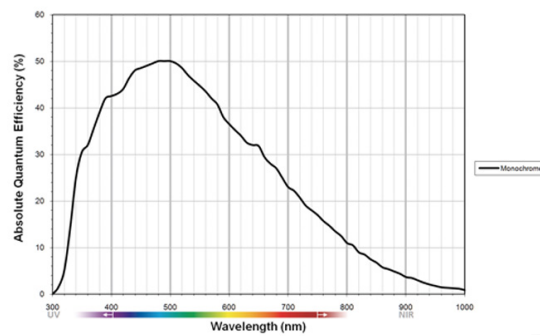
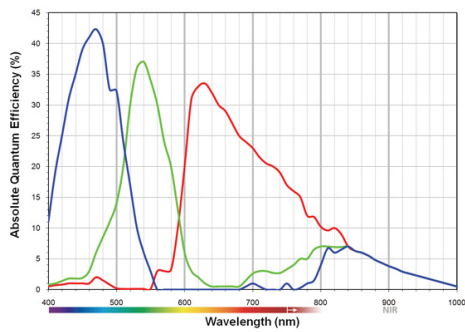
Bigeye CL-1100B Cool (Monochrome), Camera Link

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

## Specifications

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