

High Performance Line Scan Camera



NCAM-BLS- 2K140CL /4K070CL /8K035CL, the new high speed line scan camera, provides exceptionally high S/N ratio even in high speed scanning applications. Thanks to novel CMOS technology, the pixel provides outstanding performance in spite of its small size.

The camera is easy to use and provides many programmable features such as Flat Field Correction, Electrical Shutter Control, Analog and Digital Gain Control, etc.

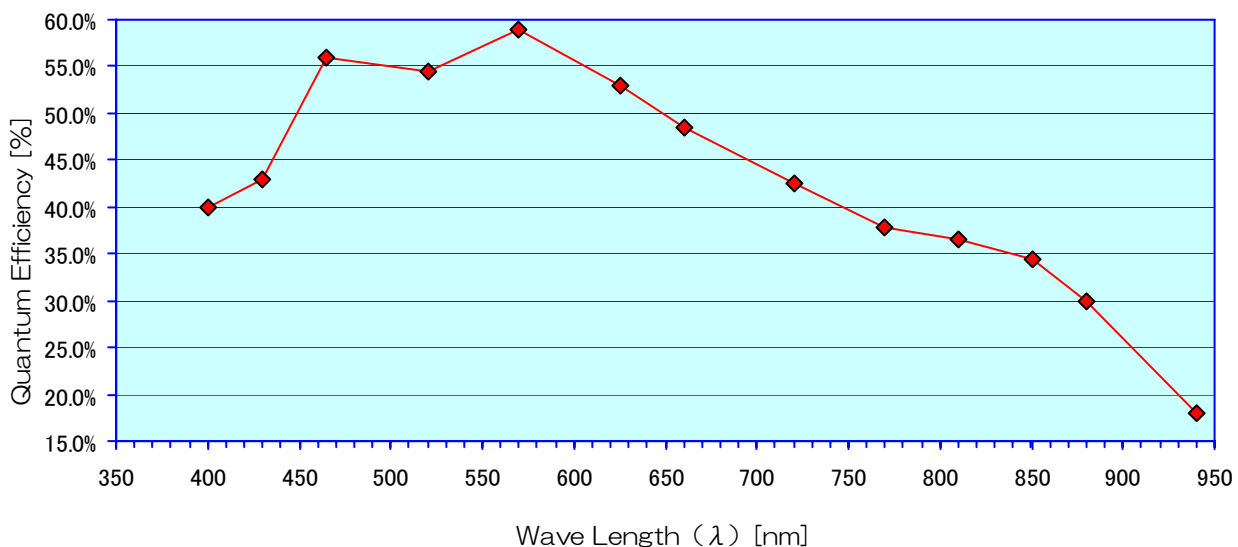
NCAM-BLS Series can operate at maximum line rate of 37KHz for all the model. They are specially designed for web inspection, PCB inspection, FPD inspection and various other high-end machine vision applications in which scanning speed and small defects detection are critical.

KEY FEATURES

- ◆ Resolution 2048 / 4096 / 8192
- ◆ Lens F-Mount
- ◆ Camera Interface Camera Link Base / Medium / Full
- ◆ Wide Dynamic Range 60dB@Gain X1
- ◆ Functionality DSNU / PRNU Correction, etc
- ◆ External Control Gain, Offset, Electrical Shutter, etc (via Serial COM)
- ◆ Power Supply Single +10 to +15 DC, 3.6W Low Power Consumption



SPECTRAL RESPONSE



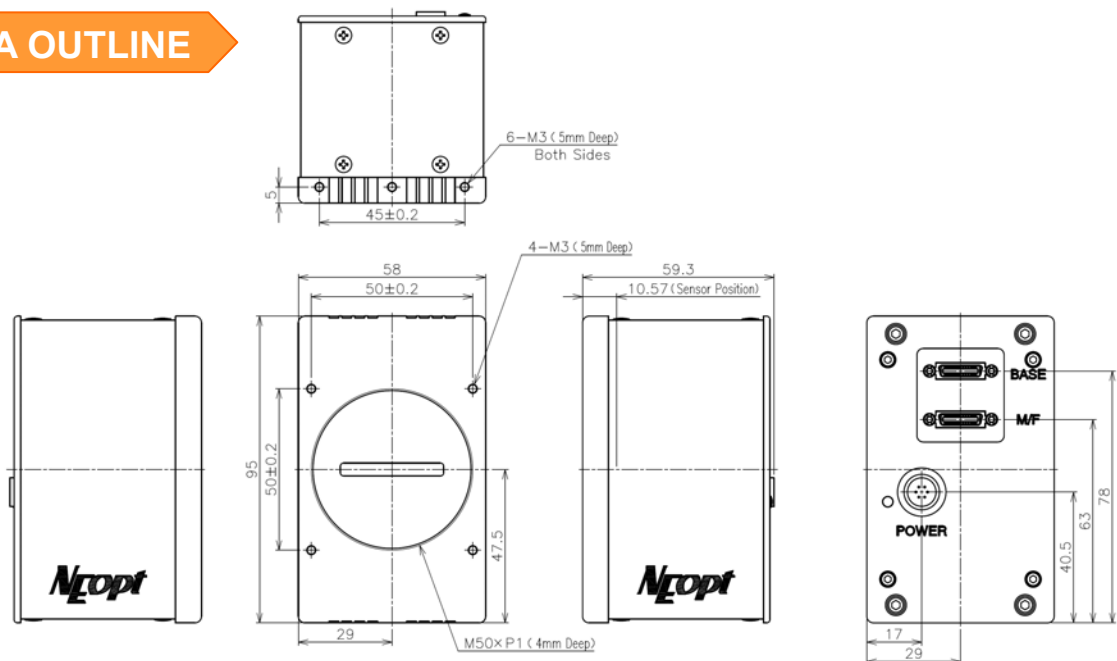
BASIC CAMERA SPECIFICATION

Parts #	NCAM-BLS- 2K140CL	NCAM-BLS- 4K070CL	NCAM-BLS- 8K035CL
Item			
Resolution	2048	4096	8192
Pixel Size (μm)	14 x 7	7 x 7	3.5 x 3.5
Maximum Data Rate (MHz)	80	160	320
Maximum Line Rate (KHz)	37		
Sensitivity (DN / nJ / cm ²) *1	156(38)	78(19)	39(10)
Dynamic Range (dB) *2	≤60@Gain x 1		
Gain Control	Analog	x1 or x4	
	Digital	x1 to x10	
Output Format (bit)	8 or 10		
CameraLink Configuration	Base	Base/Medium	Medium/Full
Case Size (W x H x D mm)	58.0 x 95.0 x 59.3		
Weight (g)	390		
Power Supply	Single +10 to +15VDC		
Power Consumption (W)	2.8		3.6
Operating Temperature	0~50 °C		
Lens	F - mount		
Feature	Electrical Shutter Control, Offset Control, DSNU/PRNU Correction, Analog/Digital Gain Control, Anti-Blooming, etc.		

*1. @Analog Gain x4 & Digital Gain x1, 10bit output, () : @Analog & Digital Gain x1, 10bit output

*2. @Analog & Digital Gain x1

CAMERA OUTLINE



*Remarks: Specification is subject to change without notice.

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