

Camels Line Scan Series

Model NexScan™3M

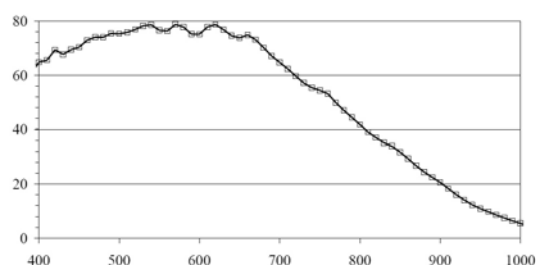
The NexScan™3M series is a compact monochrome linescan camera with the best cost/performance ratio. With high-quality industrial image sensor, electronic exposure control and superb system design, this camera offers high sensitivity, high data rate and low noise under a variety of illumination conditions, making it ideal for demanding applications such as flat panel display inspection and high-speed web inspection.



Key Features

- Camera with 4,080/8,160 pixels linear CCD sensor
- Maximum 14 kHz line rate
- High image quality with up to 10-bit data output
- Environmentally controlled with a temperature sensor
- Electronic exposure time control
- Auto tap balancing
- Built-in flat field correction
- Built-in Gamma correction
- Built for tough industrial environments
- FPGA-based camera DSP/controller

Quantum Efficiency vs. Wavelength



Specifications

Model	NexScan3M-4080	NexScan3M-8160
Resolution	4,080 x 1	8,160 x 1
Cell Size	10 μm x 10 μm	5 μm x 5 μm
Camera Link® Pixel Clock	30 MHz	60 MHz
Max. Data Rate	30 Mpixel/s	120 Mpixel/s
Max. Line Rate	7 kHz	14 kHz
PC Interface	Camera Link® BASE	
Output Pixel Depth	Single tap 8,10-bit/pixel	Dual tap 8,10-bit/pixel
Lens Mount	F-mount (Nikon-mount)	
Housing	Anodizing Aluminum	
Power Requirement	12V DC ± 10%	
Ambient Operating Temperature	0 °C to +50 °C	
Ambient Operating Humidity	30% to 90% RH	
Size (W x H x L)	64.50 mm x 64.50 mm x 40.20 mm	



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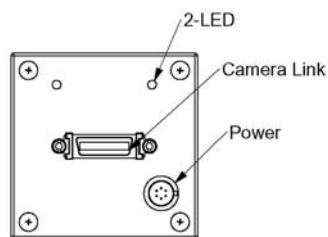
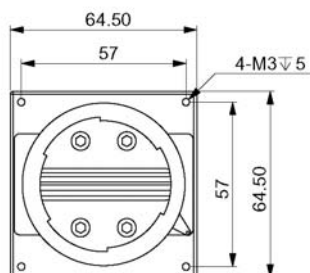
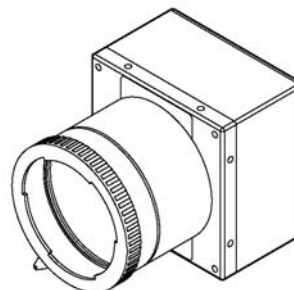
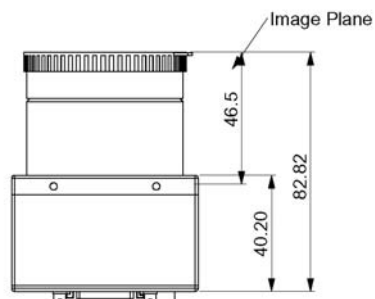
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Conformity

CE

Dimensions



Ordering Information

NexScan3M-4080: Typical NexScan3 camera with 4,080 pixels

NexScan3M-8160: NexScan3 camera with 8,160 pixels

Products and specifications are subject to change without notice.



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