



DALSA XR-4S (Preliminary)

X-Ray Cameras



DALSA XR-4S

Key Features

- High spatial resolution
- High DQE
- High sensitivity and low noise
- Easy to use
- Standard GigE output interface
- Automatic exposure control
- Flexible binning

Typical Applications

- Diagnostic spot mammography
- Needle localization
- Stereotactically-guided needle breast biopsy
- Specimen radiography
- Industrial X-ray

Overview

An easy to use, high performance X-ray detector.

The DALSA XR-4S is an innovative 16 bit, 4 megapixel CCD digital X-ray detector for high resolution radiography applications such as diagnostic spot mammography, and stereotactically-guided needle breast biopsy. The detector uses DALSA "High Quanta" 2K x 2K resolution CCD sensor with a 50 x 50 mm field of view and provides unparalleled image quality.

The high spatial resolution, low noise, and high sensitivity of the XR-4S provides better images than other competing technologies. The XR-4 is a user friendly X-ray detector, with a GigE Ethernet interface and does not require a frame grabber for image acquisition.

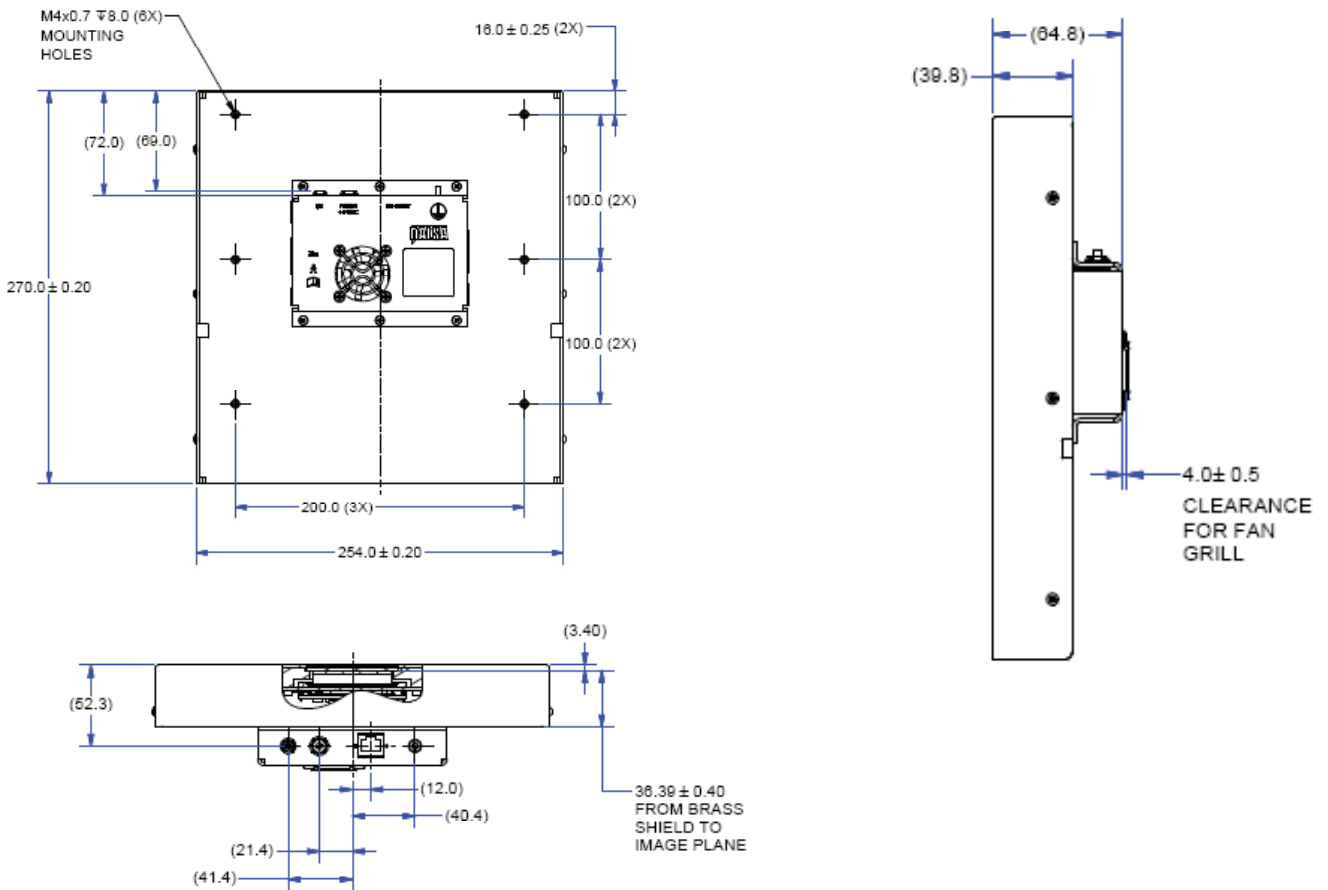
Specifications

Resolution	2080 x 2084
Data Rate	5 MHz
Max. Frame Rate	1 fps (1x1 binning)
Pixel Size	24 μ m
Field of View	50 x 50 mm
Data Format	16 bits
Spatial Resolution	12 lp/mm (center)
Output	Gigabit Ethernet, GigE Vision™ Compliant
Dynamic Range	>72 dB linear
Binning Modes	1x1, 2x2, 4x4
Size (LxWxD)	270 x 254 x 69 mm
Mass	3 kg
Operating Temp	5 °C to 40 °C
Power Supply	+24 VDC (\pm 5%, <50 mv ripple)
Power Dissipation	< 20W
Data & Control Connector	RJ-45
Example Part Number	X4-11-04M01-00-R

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Mechanical Dimensions.



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DALSA is an international leader in digital imaging and semiconductors and has its corporate offices in Waterloo, Ontario, Canada.

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