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Find the *Teledyne Dalsa / Coreco Imaging DS-42-04M30* at our website: ***Click HERE***

DALSTAR 4M30 (Preliminary)

PRELIMINARY. This information is subject to change without notice.

A scientific grade camera which combines high resolution, high speed and true 12 bit performance.



The DALSTAR 4M30 digital camera provides high-sensitivity 12-bit images with 2k x 2k spatial resolution at up to 30 frames per second (fps). The 4M30's full frame progressive scan CCD has a square pixel format and 100% fill factor to provide superior, quantifiable image quality even at low light levels.

True 12 bit performance provides up to 4096 distinct gray levels—perfect for applications with large interscene light variations. The low-noise, digitized video signal also makes the camera an excellent choice where low contrast images must be captured in challenging applications. Complete interface cable sets and Windows 95/98/NT control software make system set up and integration both simple and quick.

Features

- 2048 x 2048 resolution, 30fps
- True 12-bit digitization
- High sensitivity with low dark current
- Progressive scan readout
- Programmable operation (via RS232)
- 100% fill factor

Specifications

Resolution	2048 x 2048
Pixel Size	12μm x 12μm
Aperture	24.5mm x24.5mm
Lens Mount	F-mount
Max. Line/Frame Rate	30fps
Data Rate	4x40MHz
Data Format	4x12-bit LVDS
Responsivity	25DN/(nJ/cm^2) @540nm
Dynamic Range	3200:1
Nominal Gain Range	1-10x
Size	146x92x145mm
Mass	1.3kg
Operating Temp	10-40 C
Power Supply	+5V, -5V, +15V
Power Dissipation	30W
Regulatory Compliance	
Example Part Number	DS-41-04M30

Applications

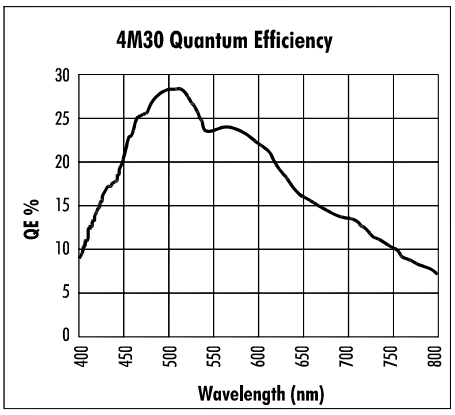
- Microscopy
- Laser based imaging
- Crystallography

Sensor

The 4M30 (Preliminary) uses a high-performance full frame CCD.

Connectors

Control	SMA coax for sync
Data	4xMDR60
Power	DB15M
Other	RJ-11F for serial link

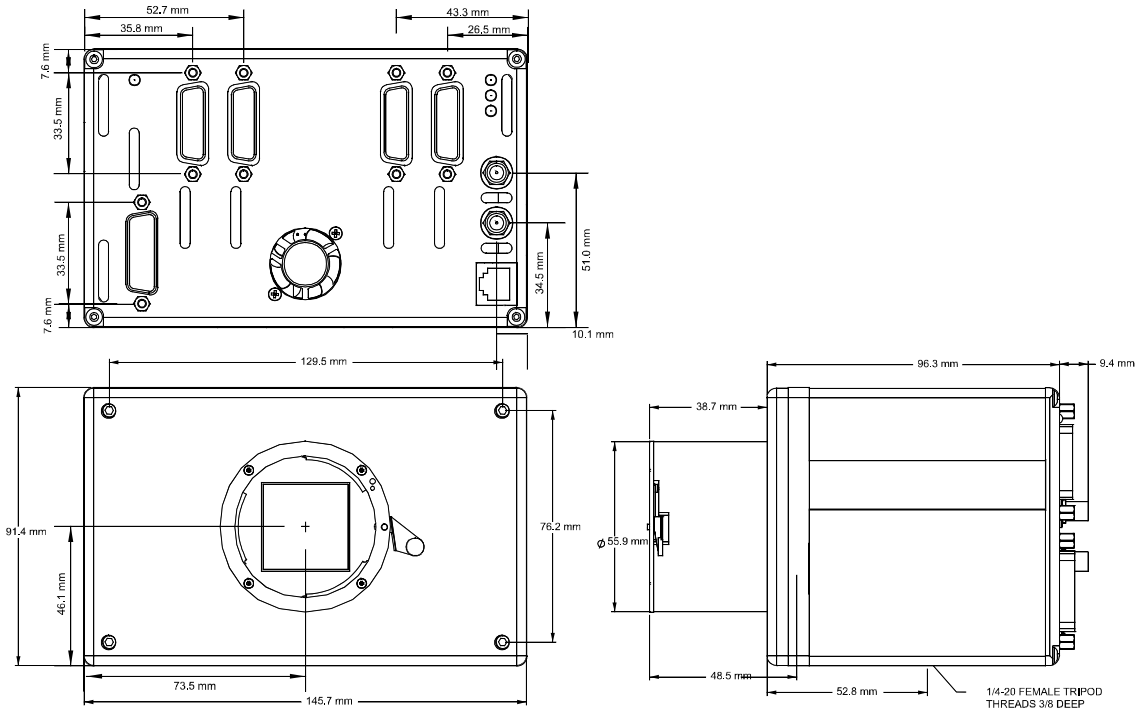


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technology with vision

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www.dalsa.com

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Mechanical Dimensions



For More Information

For more detailed information on this and other products, including pinouts, timing, and signal descriptions, see the full product datasheet. Contact your local rep or visit our website at http://vfm.dalsa.com/products.

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