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Find the *Teledyne Dalsa / Coreco Imaging DS-14-01M15* at our website: ***Click HERE***

DALSTAR 1M15

This progressive scan camera uses a Frame Transfer architecture—it has an on-chip shielded storage region and requires no shutter.

Finally, a scientific grade camera that combines high resolution, high speed and true 12 bit performance.



The DALSTAR 1M15 digital camera provides high-sensitivity 12-bit images with 1k x 1k spatial resolution at up to 15 frames per second (fps) or 30fps with 2x2 binning. The 1M15 is a frame transfer CCD camera using a progressive scan CCD to simultaneously achieve outstanding resolution and gray scale characteristics. A square pixel format and high fill factor 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

- 15fps with true 12-bit digitization
- High sensitivity with low dark current
- Progressive scan readout
- On-chip shutter (0 to 1/250 sec.)
- Binning (1x1, 2x2)
- Programmable operation (via RS232)
- 70% fill factor

Specifications

Resolution	1024 x 1024
Pixel Size	14μm x 14μm
Aperture	14.3mm x 14.3mm
Lens Mount	C or F-mount
Max. Line/Frame Rate	15fps
Data Rate	20MHz
Data Format	12-bit RS422
Responsivity	11DN/(nJ/cm²) @540nm
Dynamic Range	3200:1
Nominal Gain Range	1 or 4x
Size	94x94x110mm
Mass	0.85kg
Operating Temp	10-45 C
Power Supply	+5V, -5V, +15V
Power Dissipation	15W
Regulatory Compliance	
Example Part Number	DS-11-01M15

Applications

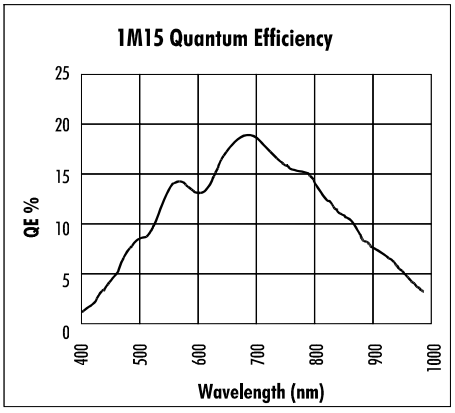
- High-speed product inspection
- Microscopy
- Crystallography

Sensor

The 1M15 uses a high-performance frame transfer CCD.

Connectors

Control	SMA coax for sync
Data	MDR60
Power	DB15M
Other	RJ-11F for serial link

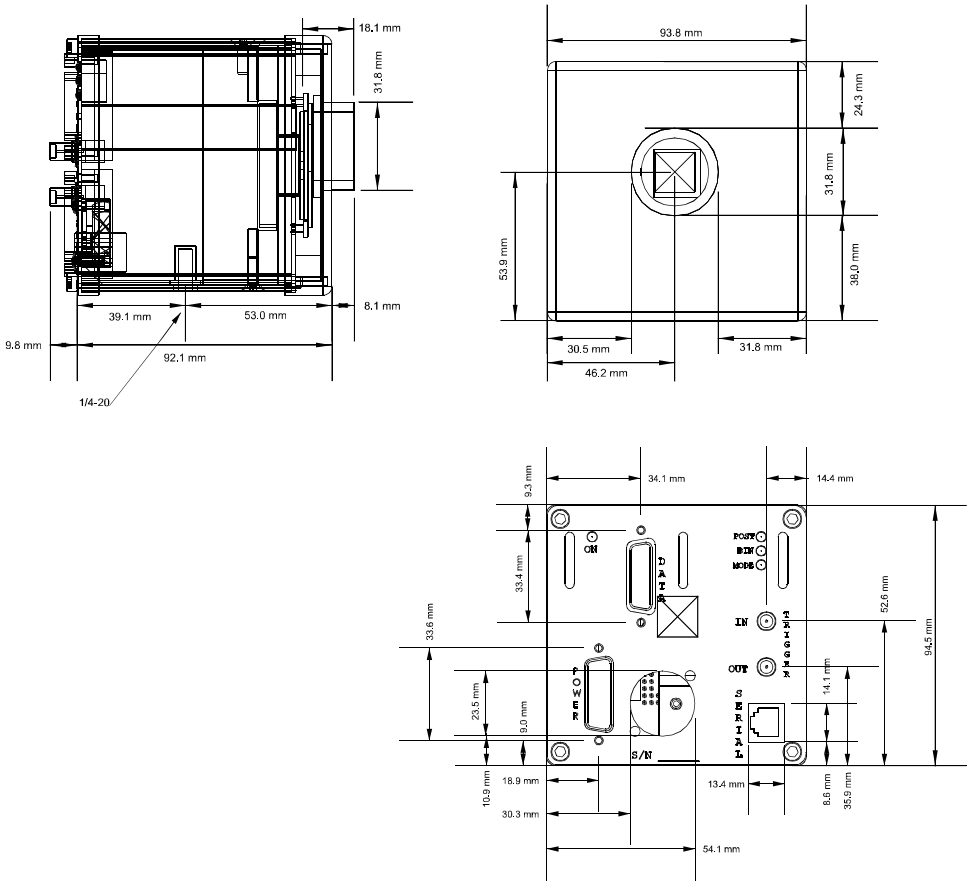


DALSA
technology with vision

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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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