

# DALSTAR 2M30-SA (Preliminary)

PRELIMINARY.

This information is subject to change without notice.

**Get the "bigger picture" with 2-megapixel resolution, high speed, and smear-free "Stop Action" imaging in this small, robust camera**

The DALSTAR 2M30-SA is our newest area scan camera for electronics manufacturing inspection, robotics, industrial metrology, and traffic management.

The camera uses a 2 megapixel (1600 x 1200 or 1920 x 1080) interline transfer sensor capable of running at up to 30 frames per second (higher with windowing) and features electronic global shuttering for smear-free "Stop Action" (SA) imaging of fast-moving objects. These features allow for a large field of view, no smear effect, and high throughput.

The 2M30 offers programmable features and diagnostics accessible through the Camera Link™ MDR26 connector. The camera's small body and robustness make it perfect for the wear and tear of industrial environments.



## Features

- 2-Megapixel resolution, 30fps
- "Stop Action" (SA) imaging
- 10-bit digitization
- Programmable operation
- Camera Link™
- Single 12-25V power supply
- Camera diagnostics
- Robust and compact
- Binning
- Color option available

## Specifications

<b>Resolution</b>	1600 x 1200 or 1920 x 1080
<b>Pixel Size</b>	7.4µm x 7.4µm
<b>Aperture</b>	11.8mm x 8.9mm
<b>Lens Mount</b>	C-mount, F-mount, M42x1
<b>Max. Line/Frame Rate</b>	30fps
<b>Data Rate</b>	2x40MHz
<b>Data Format</b>	2x10-bit LVDS
<b>Responsivity</b>	27DN/(nJ/cm²)@530nm
<b>Dynamic Range</b>	449:1
<b>Nominal Gain Range</b>	01-15dB
<b>Size</b>	56x56x56mm
<b>Mass</b>	184g
<b>Operating Temp</b>	0 to 40 C
<b>Power Supply</b>	12-25V
<b>Power Dissipation</b>	6W @12V / 7.1W @24V
<b>Regulatory Compliance</b>	CE
<b>Example Part Number</b>	DS-21-02M30

## Applications

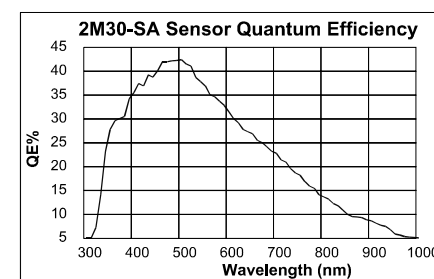
- Electronics manufacturing inspection
- Robotics
- Industrial metrology
- Traffic management

## Sensor

The 2M30-SA (Preliminary) uses a high-performance 2-megapixel dual-output interline transfer CCD in either 1600x1200 or 1920x1080 resolutions.

## Connectors

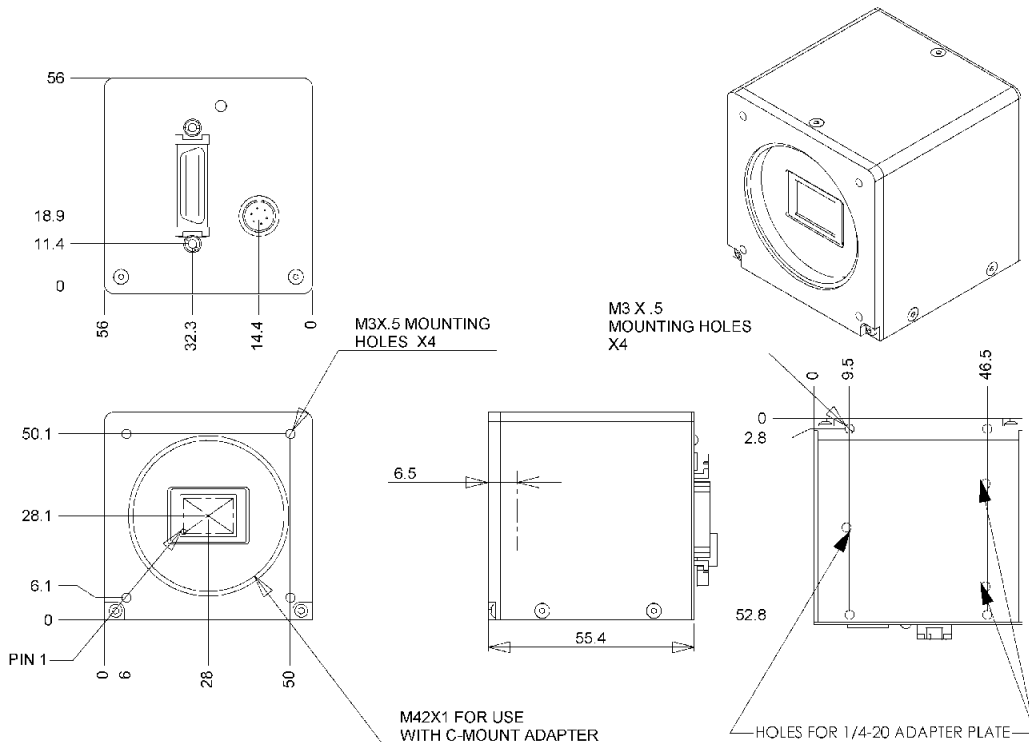
<b>Control</b>	MDR26, Camera Link
<b>Data</b>	Shared with Control
<b>Power</b>	Hirose 6-pin
<b>Other</b>	



# DALSTAR 2M30-SA (Preliminary) Area Scan Cameras

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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/2m30>.

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