

# DALSTAR CA-D6

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

### So many frames in so little time.

The DALSTAR CA-D6 cameras provide premium performance and premium image quality. Four outputs provide truly impressive frame rates, while 100% fill factor ensures that you get the whole picture.

With up to 955 frames per second you can capture a lot of images in a short time—ideal for motion analysis. But the camera's frame transfer architecture and electronic shutter also allow "snapshot" operation, meaning you can trigger event-driven individual image captures.



### Features

- Progressive scan readout
- Exposure control and antiblooming
- On-chip shutter
- 100% fill factor
- "Snapshot" operation

### Specifications

<b>Resolution</b>	260 x 260 / 532 x 516
<b>Pixel Size</b>	10 $\mu$ m x 10 $\mu$ m
<b>Aperture</b>	2.6x2.6mm / 5.3x5.2mm
<b>Lens Mount</b>	C-mount
<b>Max. Line/Frame Rate</b>	955 / 262fps
<b>Data Rate</b>	4x25MHz
<b>Data Format</b>	4x8-bit LVDS
<b>Responsivity</b>	1.34DN/(nJ/cm <sup>2</sup> ) broadband
<b>Dynamic Range</b>	525:1 (typ.)
<b>Nominal Gain Range</b>	fixed
<b>Size</b>	89x89x105mm
<b>Mass</b>	0.8kg
<b>Operating Temp</b>	50 C (max.)
<b>Power Supply</b>	+5V, -5V, +15V
<b>Power Dissipation</b>	< 13W
<b>Regulatory Compliance</b>	CE
<b>Example Part Number</b>	DS-41-65K9H

### Applications

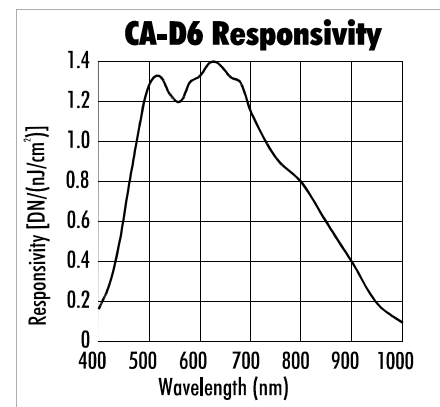
- Motion analysis
- Wafer and electronic inspection

### Sensor

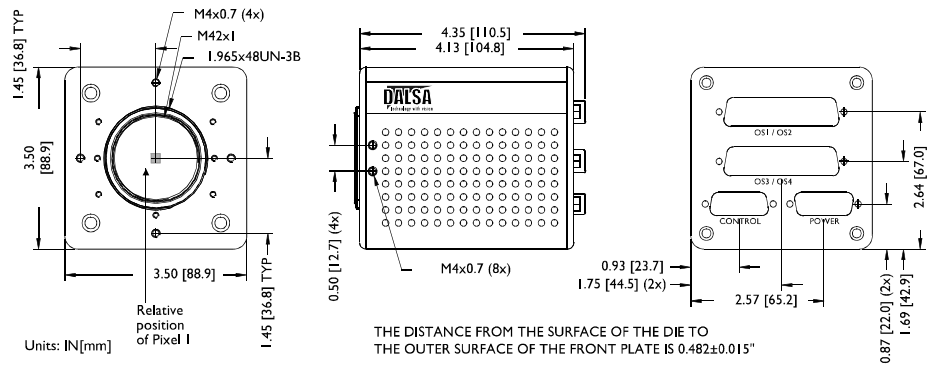
The CA-D6 uses DALSA's IA-D6 frame transfer image sensor. Contact DALSA for more details.

### Connectors

<b>Control</b>	DB15F
<b>Data</b>	2xDB50F
<b>Power</b>	DB15M
<b>Other</b>	none



### 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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This information subject to change without notice.