

DALSTAR CA-D4

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

40 frames per second. No waiting.

Designed for the most demanding imaging challenges, the DALSTAR CA-D4 camera offers superior performance.

The camera starts with a premium-quality frame-transfer 1k x 1k sensor which offers 100% fill factor with outstanding sensitivity and extremely low dark current. Antiblooming and electronic shuttering are standard.

The camera lets you select one or two outputs, providing up to 40 frames per second. Vertical/horizontal pixel binning ensures that this powerful performer is also adaptable.

All these features make this camera the choice of OEMs and professionals around the world.



Features

- Progressive scan readout
- On-chip shutter
- Binning
- 100% fill factor
- Low dark current, high sensitivity

Specifications

Resolution	1024 x 1024
Pixel Size	12 μ m x 12 μ m
Aperture	12.3mm x 12.3mm
Lens Mount	F-mount
Max. Line/Frame Rate	40fps
Data Rate	1 or 2x25MHz
Data Format	1 or 2x8-bit RS422
Responsivity	2.9DN/(nJ/cm ²) broadband
Dynamic Range	500:1 (typ.)
Nominal Gain Range	fixed
Size	89x89x105mm
Mass	0.8kg
Operating Temp	0-40 C
Power Supply	+5V, -5V, +28V, -15V
Power Dissipation	< 12W
Regulatory Compliance	CE available
Example Part Number	DS-21-01M40

Applications

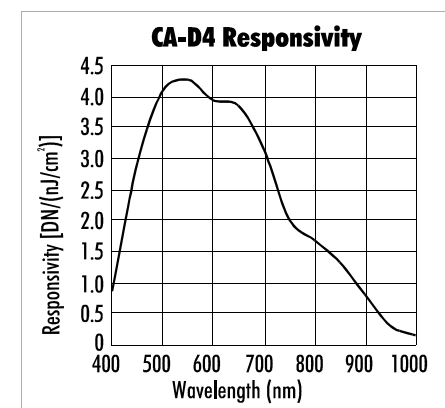
- Motion tracking
- Instrumentation

Sensor

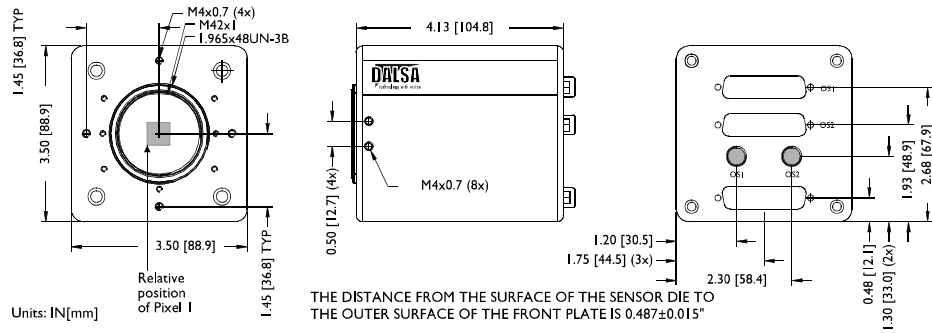
The CA-D4 uses DALSA's IA-D4 frame transfer image sensor. See the IA-D4 datasheet for more details.

Connectors

Control	DB25M
Data	2xIDC 20-pin or 2xDB25F
Power	shared with control
Other	BNC for analog reference



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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