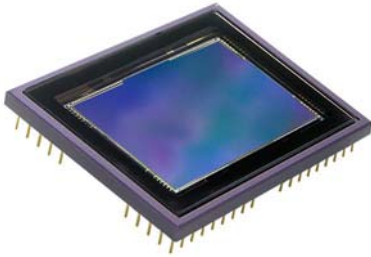


DALSA FTF3020M

Full Frame CCD Sensor



Key Features

- Monochrome
- High sensitivity
- High linear dynamic range
- Low dark current and fixed pattern noise
- Low readout noise
- Excellent antiblooming
- 100% optical fill factor
- H and V binning
- Vertical subsampling
- Variable electronic shuttering
- Single, mirrored, split, and quadrant output
- Perfectly matched to visual spectrum

Typical Applications

- Digital still photography
- Industrial inspection
- Photo minilabs

Overview

The first 35 mm full frame sensor is still widely used in professional digital imaging applications.

DALSA's FTF3020 was the first 6 megapixel 35 mm format sensor, and it still provides the highest possible image quality for its resolution, with lower dark current, lower noise, and higher dynamic range than any competitor. And with up to four outputs delivering up to 14 frames per second, it isn't limited to still imaging. The FTF3020 also excels in industrial applications requiring the best high resolution imaging performance at very high speeds. High resolution, high speed, high dynamic range, robust antiblooming, and low noise—the FTF3020 combines these features in the world's best 6 megapixel sensor.

Specifications

Resolution	3072 x 2048
Pixel Size	12 μm
Optical Size	36.9 mm x 24.6 mm
Max. Line/Frame Rate	14 fps
Data Rate	4 x 36 MHz
Responsivity	2800 mV/lux•s
Dynamic Range	>72 dB linear
Package	96 pin PGA
Operating Temperature	-40 °C to 60 °C
Example Part Number	FTF3020M /IG

DALSA FTF3020M

Full Frame CCD Sensor

DALSA's unique TrueFrame Image

Sensor technology delivers the

market's best overall image

capture.

