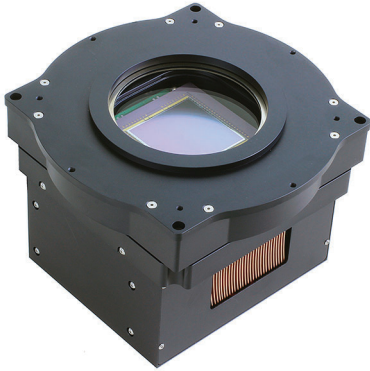


Large Format Cameras



Kepler DC4320

2048 x 2048 with 24 micron pixels

The Kepler DC4320 offers an outstanding combination of high quantum efficiency, large dynamic range, deep full well capacity, excellent cooling and large imaging area.

Optical Correction System (OCS): Every Cobalt camera includes our 4-point sensor tilt control system. OCS compensates for sensor packaging tolerances and/or optical path tilt, ensuring that your optics are never tilted relative to the camera's sensor.

KAF-4320
Imaging Area



MicroLine ML50100

8176 x 6132 with 6 micron pixels

The new microlensed KAF-50100 is the result of a year-long collaborative effort between ON Semiconductor and Finger Lakes Instrumentation. Our goal: to create a sensor with both extremely high resolution and excellent quantum efficiency (QE). The significantly boosted QE of the new KAF-50100 sensor brings it in line with popular full frame sensors such as the KAF-16803 and KAF-8300 but with much higher spatial resolution.

KAF-50100
Imaging Area

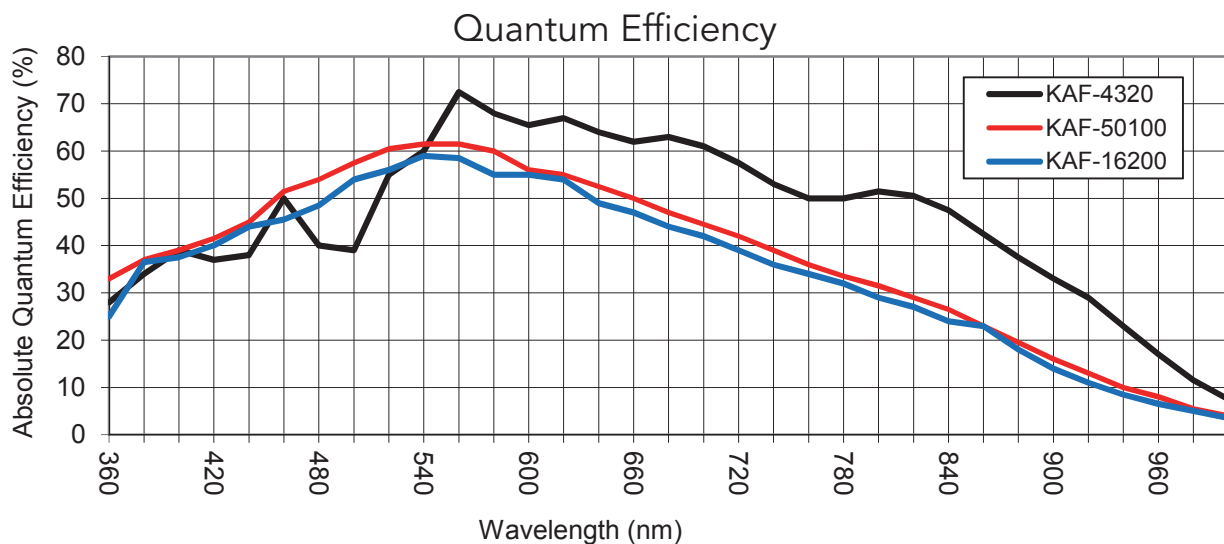


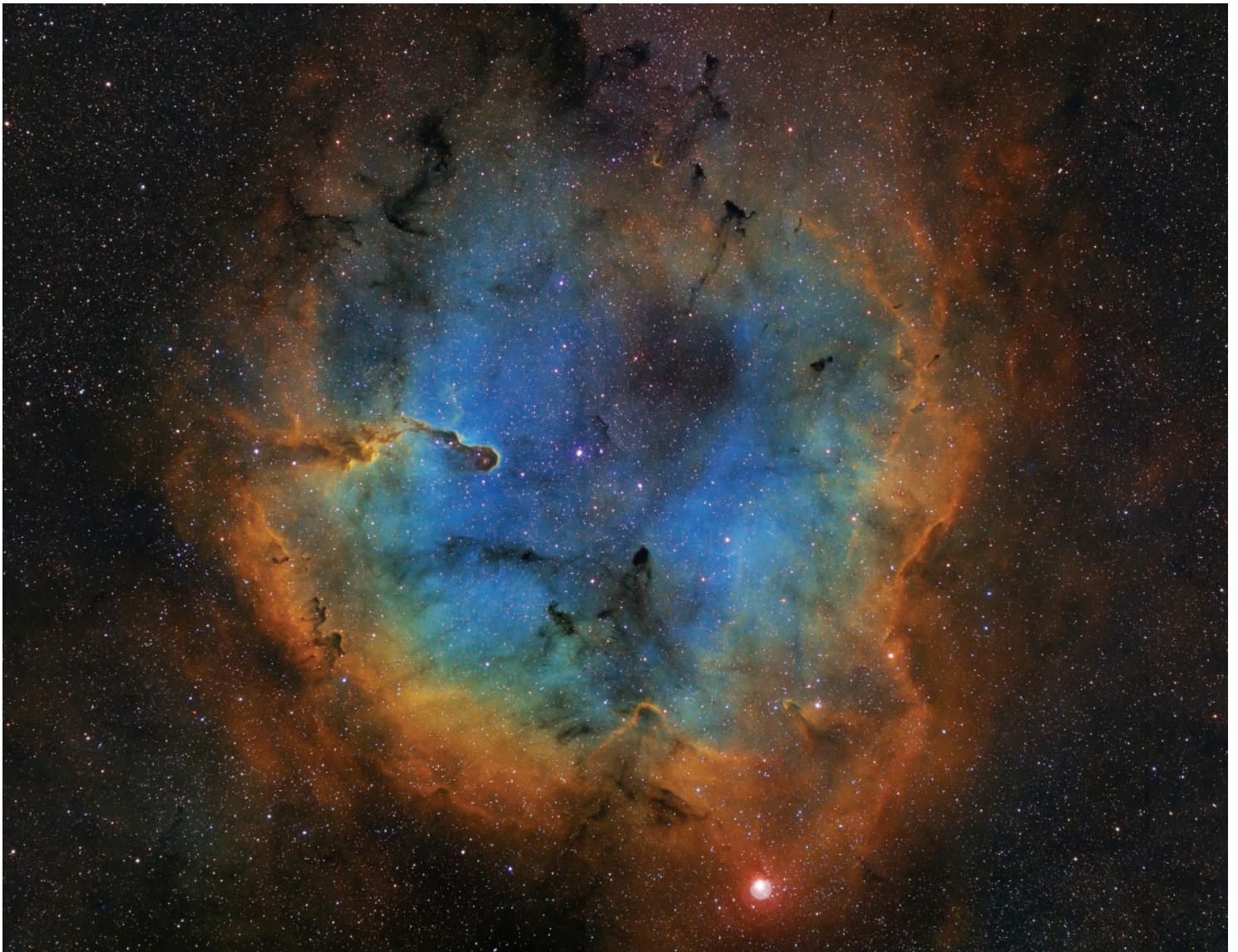
MicroLine ML16200

4500 x 3600 with 6 micron pixels

The ML16200 offers affordable 16 megapixel resolution with high quantum efficiency, deep cooling, and low noise. The small, lightweight camera offers cooling to 55°C below ambient with a short optical back focal distance of 15.8mm.

KAF-16200
Area





IC 1396. MicroLine ML50100 camera. Wolfgang Promper

FLI Camera	ML50100	ML16200	DC4320
Series	MicroLine	MicroLine	Cobalt
Sensor	KAF-50100	KAF-16200	KAF-4320
Megapixels	50.0	16.2	4.3
Resolution	8176 x 6132	4500 x 3600	2048 x 2048
Pixel Size (micron)	6.0 (36 μ^2)	6.0 (36 μ^2)	24 (576 μ^2)
Array Size (mm)	49 x 36.7	27 x 21.6	49.1 x 49.1
Sensor Diagonal	61.2 mm	34.5 mm	69.4 mm
Full Well	40,300 e-	39,000 e-	500,000 e-
Read noise	11.5 e- (8 MHz)	6 e- (2 MHz)	20 e- (3 MHz)
Speeds	8 MHz	2 & 12 MHz	1.2 & 3 MHz
Channels	2	1	4
Back Focal Distance	21mm	15.8mm	20mm
Cooling (delta T)	45°C	55°C	45°C