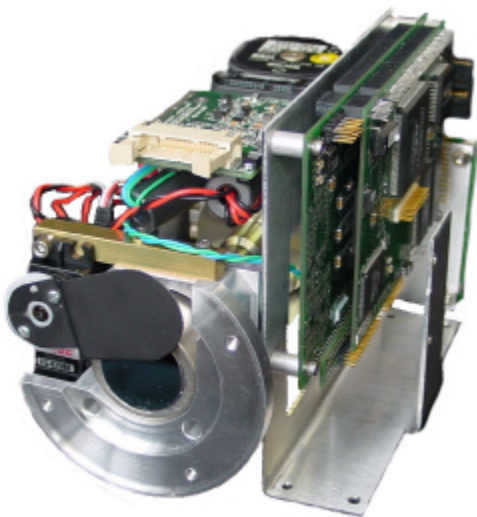
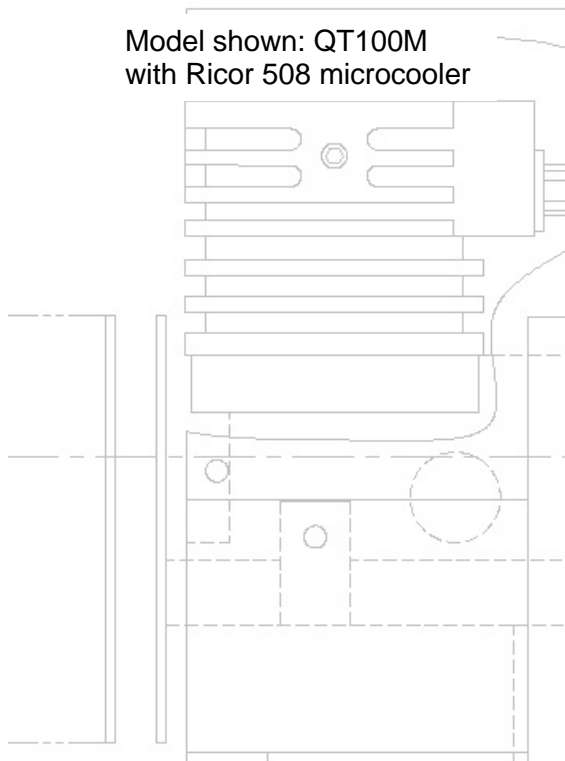


Camera Modules

We offer camera modules suitable for the OEM customer who wants to integrate an imaging engine into their own enclosure. Modules include both sensor engine and all necessary electronics.



Model shown: QT100M
with Ricor 508 microcooler



QT100M

Array size	320 x 256
Pixel pitch	30µm for 320 x 256
Fill factor	>87%
Spectral band center	8.6µm, FWHM 1.2µm
NEDT	<25mK with f/2 optics
D*	~6 x 10 ¹⁰
Operability	>99.5%
Maximum Frame rate	100Hz for 320 x 256 Higher speeds custom
Windowing	Dynamic, regions >128 x 2
Integration mode	Snapshot; integrate while/then read
Cooler	Closed cycle Stirling microcooler ½ W or ¾W Integral temperature controller
Input power	24V 17W max at cool down
MTTF	>8000 hours
Cool down time	<7 mins typical
Cold shield	f/2 or customer selectable
Electronics	Buffer board, image processing board in flexible configurations
Video out	NTSC or 12-bit digital
Remote control	RS232, keypad, Palm Pilot
Optics	f/2 lenses, bayonet mount (13mm, 25mm, 50mm, 100mm, and custom)
Calibration	Factory and internal one point flag
Environmental	0 to 100% RH, non-condensing -20°C to +70°C