

High-performance CCD & CMOS Cameras for Machine Vision and Digital Imaging

ULTRA-COMPACT FIREWIRE CCD & CMOS



Features

- Ultra-compact size and light weight
- Firewire interface
- DCAM compliant (IIDC 1.31)
- Region of interest readout
- Snapshot shutter
- External trigger and sync
- Color and monochrome models
- High-performance CCD and CMOS
- Fast framerates
- SDK and driver included
- Color and monochrome
- Binning
- Rugged design
- On-camera color interpolation

Prosilica Advantage

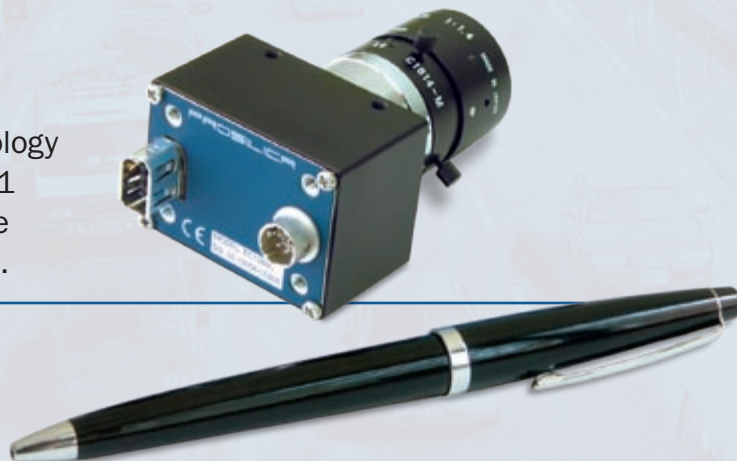
Prosilica's EC-Series cameras are ultra-compact, high-performance CCD and CMOS cameras for machine vision and industrial applications. The EC-Series include fast frame-rate cameras in megapixel, 2-megapixel, and standard resolution models. Applications for the EC-Series cameras include machine vision, industrial inspection, character recognition, robotics, surveillance and OEM applications.

- **Excellent Products**
- **Advanced Engineering**
- **Great Software**
- **Excellent Support**

PROSILICA

EC Series

Prosilica's EC Series ultra-compact Firewire cameras incorporate the latest interface technology and advanced camera features. These IIDC 1.31 compliant cameras are available in a wide range of resolutions, frame rates, and sensor formats.



	EC640 EC640C	EC650 EC650C	EC655 EC655C	EC750 EC750C	EC1020 EC1020C	EC1280	EC1350 EC1350C	EC1380 EC1380C	EC1600 EC1600C
Resolution	659×480	659×493	659×493	752×480	1024×768	1280×1024	1360×1024	1360×1024	1620×1220
Frame Rate	97 fps	90 fps	90 fps	60 fps	30 fps	24 fps	18 fps	20 fps	15 fps
Sensor Type	½" CMOS	⅓" CCD	½" CCD	⅓" CMOS	⅓" CCD	⅔" CMOS	½" CCD	⅔" CCD	⅓.8" CCD
Sensor	MT9V403	ICX424	ICX414	MT9V022	ICX204	IBIS5A	ICX205	ICX285	ICX274
Pixel Size (um)	9.9×9.9	7.4×7.4	9.9×9.9	6.0×6.0	4.65×4.65	6.7×6.7	4.65×4.65	6.45×6.45	4.4×4.4
Readout	Progressive Scan								
Interface Type	IEEE-1394 (Firewire)								
Digital Interface	DCAM (IIDC 1.31)								
Mono/Color	Yes/Yes					Yes/No	Yes/Yes		
Color Modes	Mono8, Mono16, Bayer8, Bayer16, RGB24, YUV4:1:1, YUV4:2:2					N/A	Mono8, Mono16, Bayer8, Bayer16, RGB24, YUV4:1:1, YUV4:2:2		Mono8, Mono16, Bayer8, Bayer16
Imaging Modes	Free-running, External trigger, Fixed frame rate, Software trigger								
External Trigger Modes	Rising edge, Falling edge, Level high, Level low								
External Sync Modes	Trigger ready, Trigger input, Exposing, GPO								
Region of Interest	Independent x, y control from 1×1 to full resolution								
Binning	N/A	2×2		N/A			2×2		
Power Requirements	1.8 W	2.5 W		1.8 W	2.5 W	1.8 W	2.5 W	3 W	
Conformity	CE, FCC, RoHS								
SDK	Free of charge - includes driver								

Specifications subject to change without notice.
Please refer to Prosilica's website for information on other camera models.

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