

USB 2.0 CMOS CAMERA

ECO SERIES



- Digital camera captures still images and streams live videos on your computer
- User-friendly software is compatible with Windows 8.1/10/11, Mac OS X, and Linux
- Sophisticated software for Windows offers editing, processing and advanced features including Stitching, EDF and measurement functions
- Linux and Mac software records video and still images, with controls for exposure and color
- Fits four mounting sizes: 23mm, 30mm, 30.5mm, and C-mount (two mounting adapters included)
- Works with any trinocular microscope.



Other Specification for ECO Series

Spectral Range	380-650nm (with IR-cut Filter)
White Balance	Auto/Manual/ROI White Balance/Manual Temp Tint Adjustment/NA for Monochromatic Sensor
Colour Technique	Ultra-fine hardware ISP engine /NA for Monochromatic Sensor
Capture/Control SDK	Windows/Linux/macOS/Android Multiple Platform SDK(Native C/C++, C#/VB.NET, Python, Java, DirectShow, Twain, etc)
Data Interface	USB2.0
Data Format	MJPEG
Recording System	Still Picture and Movie
Cooling System*	Natural

Operating Environment

Operating Temperature(in Centi-degree)	-10~ 50
Storage Temperature(in Centi-degree)	-20~ 60
Operating Humidity	30~80%RH
Storage Humidity	10~60%RH

Model	Sensor & Size(mm)	Pixel(μm)	Sensitivity	FPS/Resolution	Binning	Exposure
ECO08300KPA	8.3M/IMX274(C) 1/2.5" (6.22x3.50)	1.62x1.62	236mV	30@3840x2160	1x1	0.1-2000 ms.
			70dB	30@1920x1080	1x1	
			43dB	30@1280x720	1x1	
				30@960x540	1x1	
ECO05100KPA	5.1M/AR0521(C) 1/2.5" (5.70x4.28)	2.2x2.2	18.8ke-/lus	30@2592x1944	1x1	0.1-1000 ms.
			73dB	30@1280x960	1x1	
			40dB	30@640x480	1x1	
ECO05100KPB	5.1M/IMX335(C) 1/2.8" (5.18x3.89)	2.0x2.0	505mV	26@2592x1944	1x1	0.1-2000 ms.
			70dB	26@1280x960	1x1	
			43dB	26@640x480	1x1	
ECO03100KPA	3.1M/Aptina(C) 1/2.5" (5.73x4.3)	2.8x2.8	18.8ke-/lus	30@2048x1536	1x1	0.1-1000 ms.
			73dB	30@1024x768	1x1	
ECO02100KPA	2.1M/IMX307(C) 1/2.8" (5.73x4.3)	2.9x2.9	1300mV	38@1920x1080 38@1024x768	1x1	0.1-2000 ms.
			73dB		1x1	
			43dB		1x1	

C: Colour. M: Monochrome.

