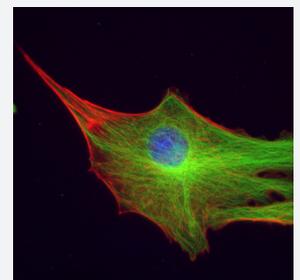
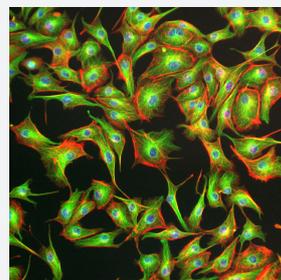
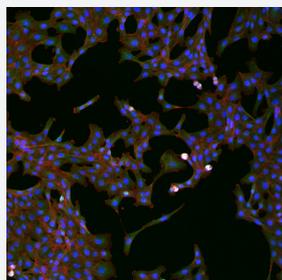
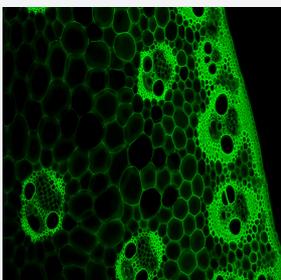




COOLED CAMERAS

- ▶ High resolution
- ▶ Peltier-cooled
- ▶ Ultra sensitive
- ▶ High-speed live video
- ▶ High-quality Sony sensor



COOLED Cameras

DeltaPix cooled microscope cameras offer fast and precise high-resolution live video streams as well as still images! User-friendly setup for everyday use, with a first in class price/performance ratio.

The Cooled DPX camera series is especially suited for low light applications, due to its high sensitivity, and applications in which a high frame rate and is required.

The Cooled DPX camera series is based on a high-quality Sony Exmor™ sensor for excellent image quality, sensitivity, speed and build-in advanced two-stage peltier cooling technology cooling up to 42°C below ambient temperature. This will greatly increase the signal to noise ratio and decrease the image noise.



High quality, cost effective and flexible

The Cooled DPX microscope camera series has C-mount interface making them easily and cost efficiently fitted on most standard microscopes.



User-friendly Camera

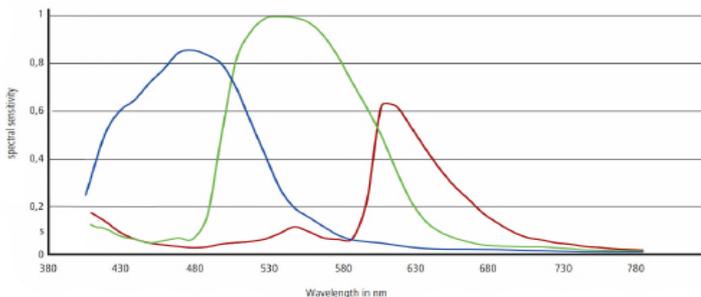
Plug and play – the USB 3.0 interface provides high speed and ease of installation on any computer.



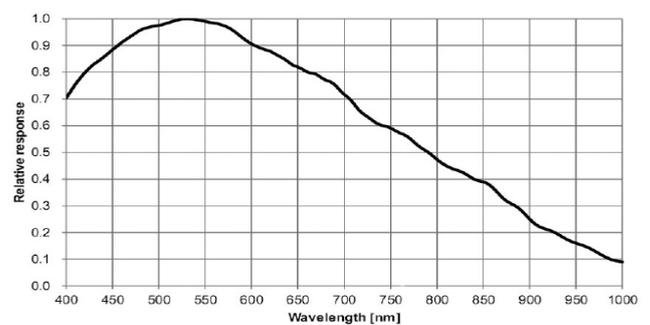
Typical applications: ✓ Material science ✓ Metrology ✓ Dark Field ✓ Bright Field ✓ Fluorescence ✓ Cytology ✓ Biology

Spectral Sensitivity

Colored models



Monochrome models



COOL DPX cameras

Features

	COOL07DPX (C) or (M)	COOL09DPX	COOL20DPX
Live preview resolution	3200 x 2200 @12FPS (C) 1600 x 1100 @33FPS (C) 3200 x 2200 @51FPS (M) 1600 x 1100 @133FPS (M)	3000 x 3000 @40FPS(C) 1500 x 1500@126FPS 1000 x 1000@188	5440 x 3648@5FPS 4096 x 2160@10FPS 2736 x 1824@15FPS
Still image resolution	7 Mpixels (3200x2200) 1.76Mpixels(1600 x 1100)	9Mpixels (3000x3000) 2.25Mpixels (1500x1500) 1Mpixels(1000x1000)	19.84 Mpixels 5440 x 3648 8.84Mpixels 4096 x 2160 5Mpixels 2736 x 1824
Sensor size	1.1" Sony Exmor 14.4mm x 9.9mm	1" Sony sensor 11.28mm x 11.28mm	1" Sony sensor 13.06mm x 8.76mm
Pixel size	4.5µm x 4.5µm	3.76µm x 3.76µm	2.4µm x 2.4µm
Exposure time	0.1 milliseconds – 3600 Seconds		
Gain	1-100		
Sensitivity	2058mv with 1/30s (C) 3354mv with 1/30S (M)	534mv with 1/30s (C)	462mv with 1/30s
Shutter	Global shutter	Electronic rolling shutter	
Read Noise(LCG)	1.77e- (M) 1.79e- (C)	3.61e	13.05e
Read Noise(HCG)	0.77e- (M+C)	1.18e	-
Full well capacity LCG	25222.14e (M) 25478.95e (C)	205643.69e	62960.32e
Full well capacity HCG	10901.08e (M) 10973.26e (C)	67133.57e	-
Dynamic range	72dB (C+M)	84dB	72dB
White balance	Automatic, manual or spot white balance		
Cooling	Peltier cooling		
Data interface	USB 3.0		
Software	DeltaPix InSight Basic included, supports Micro-Manager		
Data format and compression	24-bit uncompressed Tiff, 24bit JPEG compressed and 24-bit loss-less compressed JPEG2000		
Minimum PC requirements	Intel I7 (quad core) CPU 8 GB RAM 15 GB free hard disk space USB 3.0 port Windows 10 and 11 64 bit		
Power	12V		
Dimensions	96.5mm x 86mm x 86mm		
Weight	934g		