

## Microscopy Camera Solutions

Designed to offer consistent, high-quality image acquisition and performance, and backed by industry leading customer support, Pixelink M-Series cameras combine large field of view, high speed live previews, fluid sample manipulation and superb color reproduction. The M-Series cameras are available in monochrome or color at 1.3 MP to 15.0 MP resolutions. The rugged housing and smaller form factor are ideal for use in any laboratory setting.



### Features of Pixelink M-Series Microscopy Cameras

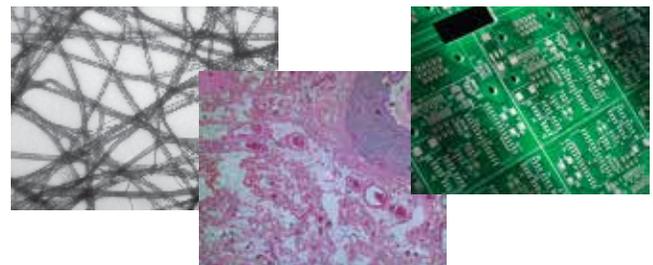
- » Gamma
- » Saturation
- » Color Temperature
- » Time Lapse Capture
- » Image Flip
- » Image Rotate
- » Exposure Time
- » Gain
- » Frame Rate
- » Frame Rate Control
- » Pixel Addressing
- » Adjustable ROI
- » Capture Full Resolution
- » Pixel Format
- » Manual and Auto Exposure
- » Saturation (Color Only)
- » Spot White Balance (Color Only)
- » Manual & Auto White Balance (Color Only)



Camera Model	Sensor Model	Resolution	Mega Pixels	F/R (fps)	Sensor Size	Pixel Pitch	Sensor Diagonal	Bit Depth	Dynamic Range	Shutter Type
M1	ON Semi Vita 1300	1280 x 1024	1 MP	151	1/2"	4.8 µm	7.9 mm	8 or 10	53 dB	Global
M2	CMOSIS CMV2000	2048 x 1088	2 MP	170	2/3"	5.5 µm	12.7 mm	8 or 10	60 dB	Global
M4	CMOSIS CMV4000	2048 x 2048	4 MP	90	1"	5.5 µm	15.9 mm	8 or 10	60 dB	Global
M5	ON Semi Vita 5000	2592 x 2048	5 MP	75	1"	4.8 µm	15.9 mm	8 or 10	53 dB	Global
M5D	Sony IMX250	2448 x 2048	5 MP	80	2/3"	3.45 µm	11.1 mm	8 or 12	70 dB	Global
M9	Sony IMX255	4096 x 2160	9 MP	45	1"	3.45 µm	16.1 mm	8 or 12	70 dB	Global
M12	Sony IMX253	4096 x 3000	12 MP	33	1.1"	3.45 µm	17.6 mm	8 or 12	70 dB	Global
M12B	Sony IMX304	4096 x 3000	12 MP	23	1.1"	3.45 µm	17.6 mm	8 or 12	70 dB	Global
M15	ON Semi MT9F002	4608 x 3288	15 MP	13	1/2.3"	1.4 µm	7.9 mm	8 or 12	60.5 dB	Rolling
M20	Sony IMX183	5472 x 3648	20 MP	20	1"	2.4 µm	15.9 mm	12	73.6 dB	Rolling

### Applications

- » Petrology
- » Pathology
- » Histology
- » Live Cell Imaging
- » Embryology
- » Forensics
- » Microbiology
- » Fuel Delivery Systems



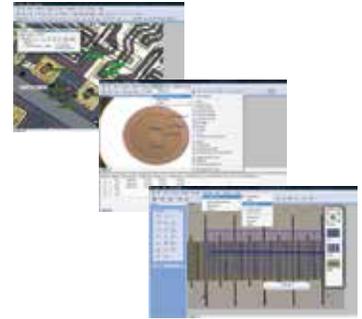
# Microscopy Software

## Pixelink Capture

Pixelink Capture, our free, real-time, interactive, multi-camera software application, offers basic microscopy tools for on screen measurement of length, area and pixel location.

## μScope

Our μScope software application offers a broader range of unique image reading, measurement and enhancement tools for more advanced microscopy applications. Available in Essentials, Standard and Pro versions.



μScope Software Features	Software Version		
	μScope ES	μScope SE	μScope Pro
Pixelink API control	✓	✓	✓
Time lapse capture and movie file production - crosshair on live preview	✓	✓	✓
Save in multiple image file formats - jpg, jpeg, tif, tiff, bmp, gif, pcx, tga, mpg, mpeg, avi, mov, img, rpt, txt...	✓	✓	✓
Overlay - crosshair, grid mask, image, marker, time stamp	✓	✓	✓
Image - mode change, clone, crop, resize, rotate	✓	✓	✓
Multiple ROI shapes & copy, paste, crop ROI	✓	✓	✓
Grayscale, RGB, HSB, YUV	✓	✓	✓
Image sequence control	✓	✓	✓
Zoom control - 100% to 1600% and fit to window options	✓	✓	✓
Annotation - line, arrow, polyline, spline, rectangle, ellipse, text	✓	✓	✓
Image editing: undo, redo, copy, paste, paste new, delete, delete all, annotate image information	✓	✓	✓
Image processing - manual brightness, contrast, gamma, background subtraction, histogram, clone, crop, ROI, resize, rotate, split, image mode change, grayscale, rgb, hsb, yuv pseudo color view		✓	✓
Multiple window configuration options	✓	✓	✓
Manual measurement tools - 3-point circle functionality, n-point circle measurement functionality, parallel line distance measurement, perpendicular distance measurement and object distance measurement In addition, zoom-in window	✓	✓	✓
Export to Microsoft® Excel - images with measurement, calibration, annotation, measurement data, statistics, charts	✓	✓	✓
Report generator - create, insert images and OLE objects			✓
Auto and semi auto calibration		✓	✓
Manual calibration	✓	✓	✓
Measurement parameters - area, max length, line length center x and y angle	✓	✓	✓
Measurement data	✓	✓	✓
Profile - straight line, polyline, parallel line, select and change		✓	✓
Line profiling - single, multiple, parallel and polyline commands provide gray/red/green/blue intensity values for specific lines within an image. The profile data of each pixel on the line can be exported to Microsoft® Excel		✓	✓
Calibration marker (scale bar) can be placed on the live preview image, and burned in automatically	✓	✓	✓
Live Measurement and Overlay Settings - perform measurements on the live preview image, using the crosshair or grid masks to center and count. Grid masks include calibration data	✓	✓	✓
Dynamic user interface	✓	✓	✓
Image stitching			✓
Z-axis extended focus imaging with displacement compensation			✓
3d visualization to clearly view complex structures			✓
Auto trace using automatic edge detection			✓
Fluorescent image composition			✓
Fast and perfect focus enhancement			✓
Shading correction			✓
Reflected light subtraction			✓