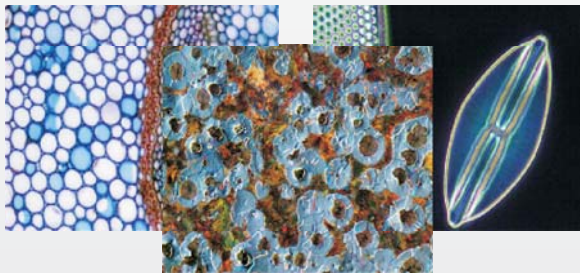


Digital Imaging Solutions for Microscopy



PixeLINK offers a line of digital cameras and software to support high-performance microscopic imaging.

- Easy to Use
- Cost Effective
- Fast Live-Video Preview
- FireWire Interface
- 1.6 to 6.6 Megapixel Resolutions
- Color
- PixeLINK Capture Software Included
- TWAIN & Direct Show Compatible

Well suited to brightfield applications, PixeLINK cameras provide excellent color fidelity across a range of resolutions. Connected by FireWire and enabled by software, PixeLINK cameras are designed with productivity in mind. Live video previews are available for focusing and sample positioning. Images and video files can be captured quickly over the FireWire interface making PixeLINK cameras ideal for high-volume image capture applications.

PixeLINK Capture

A high-performance image-capture application with a time-saving, yet easy-to-use interface.

PixeLINK Capture Standard Edition is a real-time, interactive application for PixeLINK cameras. Designed for microscopy documentation, it allows you to control your PixeLINK camera, see a live preview, capture images, and make measurements, all with an intuitive "What You See Is What You Get" interface.

As well as camera control and image capture, *PixeLINK Capture SE* also includes thumbnail previews of stored images, image enhancement functions and measurement features.

Camera and application settings can be saved and instantly recalled at a later time, saving you time and increasing your image capture speed. The settings include camera features, illumination corrections and measurement calibrations for specific microscope objectives.

An extensive list of keyboard shortcuts are provided to accelerate the image capture process. The software also works with a footswitch for hands-included operation.

PixeLINK Capture SE can be used as a stand-alone application or as a fully functional TWAIN interface with many 3rd party software applications. The TWAIN interface also has user defined settings to provide rapid and repeatable image capture operation in third party applications.

PixeLINK Capture is Included to download and has a 15-day trial period.

Features & Benefits

- Real time preview for sample positioning and focusing
- Separate capture settings to set image file size
- Image file capture
- Measurement capabilities including:
 - Intensity profiles along a horizontal line
 - Point & Count
 - Angle, calliper, circle (from 3 pts)
 - Total and average length of joined line segments
 - Area and perimeter length of a polygon
 - Area and perimeter of a closed shape (grain)
 - Scale marks
 - Grid and circular ring overlays
- Full control of camera features
- Video capture & playback with time lapse
- Flat Field Correction (FFC)
- Thumbnail viewer
- Image processing filters
- User defined presets
- MS Access Image database







For more information, contact:

PixeLINK

3030 Conroy Road, Ottawa, ON Canada K1G 6C2
<http://www.pixelink.com>



PixeLINK Product Selection Sheet

Camera Model >	PL-A661	PL-A662	PL-A622C	PL-A623C	PL-A686M	PL-A686C
						
Color / Mono	Mono	Color	Color	Color	Mono	Color
Resolution	1280 x 1024	1280 x 1024	1600 x 1200	2048 x 1536	3000 x 2208	3000 x 2208
Frame Rate at Full Resolution	12	12	20	12	5	5
Sensor Type	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS
Lens Format	C 1/2"	C 1/2"	C 1/2"	C 1/2"	C 1"	C 1"
Pixel Pitch	6 µm	6 µm	4.2 µm	3.2 µm	3.5 µm	3.5 µm
Sensor Diagonal	9.83 mm	9.83 mm	8.40 mm	8.19 mm	13.1 mm	13.1 mm
Bit Depth	8 or 10	8 or 10	8 or 10	8 or 10	8 or 10	8 or 10
Shutter Type	Rolling	Rolling	Rolling	Rolling	Rolling	Rolling
Variable ROI	Yes	Yes	Yes	Yes	Yes	Yes
Interface (FireWire)	6 pins x 2	6 pins x 2	6 pins x 2	6 pins x 2	6 pins x 2	6 pins x 2
Camera Features	via FireWire	via FireWire	via FireWire	via FireWire	via FireWire	via FireWire
Gain, Gamma, Exposure Time, Frame Rate, ROI	•	•	•	•	•	•
White Balance, Saturation	n/a	•	•	•	n/a	•
Color Temp (100° Kelvin)	n/a	Various	32, 50, 65	32, 50, 65	n/a	32, 50
DCAM Compatibility	No	No	1.31	1.31	1.31	1.31
Trigger	S/W	S/W	S/W	S/W	S/W	S/W
Weight	175 g	175 g	356 g	356 g	356 g	356 g
Dimensions (mm)	68 x 95 x 45	68 x 95 x 45	100 x 51.8	100 x 51.8	100 x 51.8	100 x 51.8
Image Quality Measures	(See the Knowledge Base at http://www.pixelink.com for a description of Image Quality Measures)					
Dynamic Range	54 dB	54 dB	60 dB	60 dB	56 dB	56 dB
FPN	-	-	< 1%	< 1%	< 1%	< 1%
PRNU	-	-	< 1%	< 1%	< 2%	< 3.5%
Read Noise	-	-	< 1 DN	< 1 DN	< 1.5 DN	< 2 DN
Software						
PixeLINK Capture SE	Included	Included	Included	Included	Included	Included
SDK	Optional	Optional	Optional	Optional	Optional	Optional
TWAIN Compatible	Yes	Yes	Yes	Yes	Yes	Yes
Direct Show Compatible	Limited	Limited	Yes	Yes	Yes	Yes
Windows Compatible	2000/XP	2000/XP	2000/XP	2000/XP	2000/XP	2000/XP
Mac Compatible	OS X	OS X	OS X Pending	OS X Pending	OS X Pending	OS X Pending
Price	\$1,395	\$1,495	\$1,995	\$2,495	\$3,145	\$3,195

Ordering Information

All cameras are shipped at kits with PixeLINK Capture SE software. Order PL-A6XX-KIT.

Accessories

PixeLINK provides accessories for interfacing and mounting your camera as well as a software development kit if required. Contact us, visit our web site or discuss with the microscopy dealer to ensure you have the accessories that you require.

Software

PL-SW-SDK

A software development kit for PixeLINK cameras. Includes a full API compatible with C/C++ and Visual Basic, documentation, LabVIEW wrappers compatible with LabVIEW Versions 6.1, 7.0 & 7.1

PixeLINK Capture SE

An image-capture application designed for high-volume image capture, enhancement and measurement. Includes TWAIN interface and Direct Show driver support. All PixeLINK microscopy cameras include this software

Coming Soon!! - Px3D

An application tool designed to extend the depth of field in microscopy and macro photography.

Subject to change without notice.

