PL-A686 Microscopy Camera

A high-resolution camera designed for Microscopy Documentation

General Description

The PL-A686 Camera is a high-resolution digital camera designed for microscopy documentation. Well suited to brightfield microscopy, the 6.6 megapixel resolution will exceed the resolving power of most microscope objectives and will produce publication quality images with an excellent level of detail. Both color and monochrome versions are available.

Easy to Use!

Connected by FireWire and enabled by software, the PL-A686 camera is designed with productivity in mind. This flexible camera is simple to install and operate. Users can begin capturing images within minutes of opening the package.

An intuitive software application, PixeLINK Capture, comes with the camera, allowing software control of all camera parameters, still-image capture, time lapse and AVI video file capture. PixeLINK Capture can be used as a stand-alone application or as a fully capable TWAIN interface with many 3rd party software applications.

- **6.6 Megapixel Resolution**
- **Easy to Use**
- **Cost-Effective**
- **Fast Preview**
- **PixeLINK Capture Software Included**
- **TWAIN compatible**
- **FireWire Interface**
- **Color/Monochrome versions**

Features

Sensor
- 1" CMOS 2208 x 3000 resolution (7.78 mm x 10.55 mm - 13.1 mm diagonal)
- 3.5 µm square pixels
- 8-bit or 10-bit

Frame Rate – frames per second

ROI Size	Max Frame Rate
2208 x 3000	5
1584 x 1200	17
1272 x 1008	25
648 x 480	88

Performance
- Spectral Range 400 – 1000 nm
- Dynamic Range – 56 dB linear (TBD)

Controls
- Exposure, White balance and color gains, Brightness, Gamma, ROI & Decimation

Computer Interface
- Two FireWire (IEEE 1394) connectors allow daisy chaining of the camera

Optical Interface
- Standard C-mount 1" optics with IR cut-off filter

Power Requirements
- Power supplied over the FireWire bus (Max – 5 W)

Size and Weight
- HxD: 3.94" x 2.04" (100 mm x 51.8 mm) 400g (TBD)

Environmental
- FCC Class B & CE
- Temperature – 0°C to 50°C (non-condensing)

PixeLINK PL-A686 Microscopy Camera

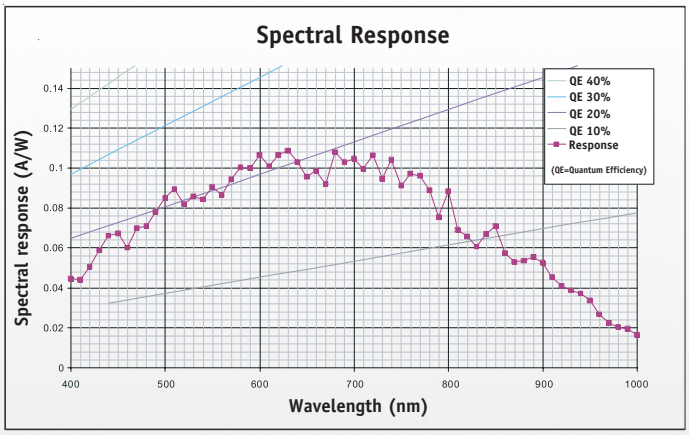
Ordering Information

PL-A686C-KIT
Camera Kit for the PixeLINK 6.6 Megapixel Color Microscopy Camera. Kit contains the PL-A686C camera and PixeLINK Capture application software. Interface accessories and cables must be ordered separately.

PL-A686M-KIT
Camera Kit for the PixeLINK 6.6 Megapixel Monochrome Microscopy Camera. Kit contains the PL-A686M camera and PixeLINK Capture application software. Interface accessories and cables must be ordered separately.

PL-1394-LAPTOP-PCMCIA-ACC
Interface accessory pack for use with non-1394 enabled laptops. The pack contains a IEEE-1394 PCMCIA interface card with a "dongle", 4-pin to 6-pin FireWire cable and a universal power supply.

PL-1394-LAPTOP-ACC
Interface accessory pack for use with 1394 enabled laptops. The pack contains a universal power supply, 4-pin to 6-pin 2-meter Firewire cable and a 4-pin to 6-pin adapter. The laptop must already have a IEEE 1394 connection with a 4-pin or 6-pin jack available.



PL-1394-DESKTOP-ACC
Interface accessory pack for use with PC desktop computers. The pack contains a PCI bus 1394 interface card and a 4.5 meter 6-pin to 6-pin FireWire cable.

PL-A600 CAMERA 1/4-20 MOUNT
Tripod mount, 1/4"-20 UNC.

PL-SDK-VERSION-4
PixeLINK Software Developer's Kit including drivers, Application Programming Interface, sample code, and the PixeLINK Developers Application. Purchase includes free PixeLINK Technical Support. The PL-SDK-VERSION-4 is included in all –DEV products.

Visit the PixeLINK web site to download the latest PixeLINK demonstration software, firmware upgrades and tools for the PL-A686.

A full Development Kit is available for OEMs to simplify integration and shorten the development cycle.

OEM board sets with remote heads are available on request.

Subject to change without notice

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