

Configurations

Camera Kit (PL-A661-KIT, PL-A662-KIT)

- PL-A661 or PL-A662 Megapixel FireWire Camera (no lens provided)
- FireWire adapter card
- FireWire cable
- Quick Start installation card
- Camera Kit software
 - Windows® 98 SE, 2000 and XP Drivers
 - TWAIN interface
 - Application: *PixelINK Capture*
- Online User's Manual
- Warranty card

Developer's Kit (PL-A661-DEV, PL-A662-DEV)

- All elements from the Camera Kit, plus:
- All necessary software and documentation to create custom applications
 - Extensive API
 - Source code examples of applications (upon request)
 - Access to technical support
 - ¼–20 Mount

Accessories

A wide variety of accessories are available with these cameras including cables, adapter cards, FireWire repeaters, lenses, tripods and mounts. Contact your Authorized PixelINK Reseller for details.

Specifications

Imaging Chip

Type..... 1/2" Kodak KAC-1310 1.3 megapixel CMOS
 Resolution..... 1280 × 1024 active pixels
 Pixel Size 6.0 µm × 6.0 µm, square
 Array Dimensions 7.68 mm × 6.14 mm
 Frame Rate, in frames per second (fps), 8-bit pixels

	@ 16 MHz	@ 24 MHz (Dev Kits only)
32 × 32		>2500
320 × 240	176	246
640 × 480	48	60
800 × 600	31	42
1024 × 768	20	23
1280 × 1024	11.4	12.7

Color Mosaic RGB Bayer with standard microlenses (PL-A662)
 Shutter Continuous and single frame rolling shutter capture
 Gamma Software programmable
 Optical Fill-Factor..... 40% mono / 64% color
 Saturation Signal 40,000 electrons
 Quantum Efficiency .. 38% peak RGB
 Responsivity..... 0.6 V/Lux-sec peak RGB
 Total Dark Noise 70 e- rms
 Dark Current 6250 e-/pixel/sec
 Dark Current Doubling Temperature 9°C
 Dynamic Range..... >54dB

Electrical

Voltage..... 8 V–30 V DC
 Power 3 W typ. (250 mA at 12 V, supplied by FireWire cable)

Physical

Operating Temp. +5°C to +60°C
 Lens mount..... C-mount lens adapter
 Weight..... 175 g (without lens)
 Compliance FCC Class B; CE
 Camera Housing Magnesium

Interface

Operating System..... Windows® 98 SE, 2000 and XP
 Data Format 8-bit or 10-bit, uncompressed
 Interface Type 2, 6-pin FireWire ports (400 Mbits/s)
 Max. Data Rate 24 Mbytes per second

System Requirements

- Microprocessor:
 Minimum—450 MHz Pentium® III or equivalent
 Recommended—1.5 GHz Pentium® 4 or equivalent
- 128 MB system RAM
- 25 MB hard drive free space
- Video card with 24 or 32 bit True Color graphics
- 8 MB of video memory

To Order Your PixelINK Camera

Contact

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