

Camera Models:

SP130: Slider w/ KAF-1401ME CCD

SP140: Slider w/ KAF-0401ME CCD

SP150: Monochrome w/ KAF-1401ME CCD

SP160: Monochrome w/ KAF-0401ME CCD

KAF-0401ME (SP140 & SP160)

Resolution: 766 x 510

Pixel Size: 9 x 9 micron

Active Area: 6.89 x 4.59 mm

Full Well: 60,000 e

A/D Full Scale set to: 51,000 e

Dark Current: 0.3 e/p/s at -12°C

0.7 e/p/s at -12°C

Read Noise: 13e rms typ,

20e rms max

S/N Ratio: 75 dB typical, 72 dB min.

Fast Focus: 4 subframes/second

File Size: 8bit mono: 0.39MB,

12bit mono: 0.59MB, 16bit mono: 0.78MB

24bit color: 1.17MB, 36bit color: 1.76MB

48bit color: 2.34MB

KAF-1401ME (SP130 & SP150)

Resolution: 1315 x 1033

Pixel Size: 6.8 x 6.8 micron

Active Area: 8.94 x 7.02 mm

Full Well: 45,000 e

A/D Full Scale set to: 38,250

Dark Current: 0.05 e/p/s at -12°C

0.2 e/p/s at -12°C

Read Noise: 13e rms typ,

20e rms max

S/N Ratio: 69dB typical, 66 dB min

Fast Focus: 4 subframes/second

File Size: 8bit mono: 1.33MB,

12bit mono: 1.99MB, 16bit mono: 2.66MB

24bit color: 3.98MB, 36bit color: 5.98MB

48bit color: 7.97MB

Camera Mount:

Slider Models: Nikon F-Mount Bayonet

Monochrome Models: C-Mount

Monochrome Camera & Monochrome Mode:

Window: UBK7 w/ <1% AR 420-820 nm

Color Mode:

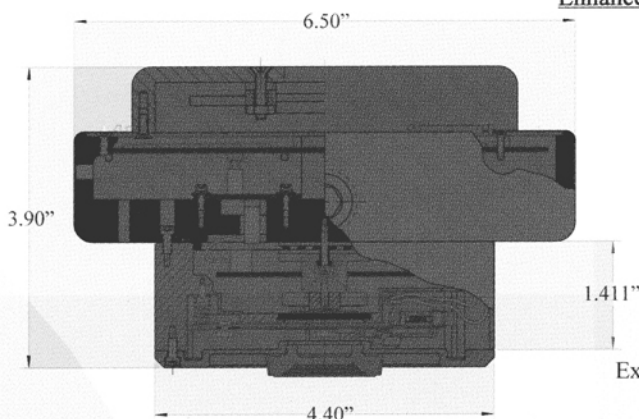
Filter: Liquid Crystal Color Changing w/ IR filter

Color Capture: 3 consecutive images

Certifications:

FCC Class A, CE,

EN60950



Enhanced System Common Specifications

Binning Modes:

1 x 1, 2 x 2, 3 x 3, 4 x 4

Digitization: 12bit at 1.08 MHz

Cooling: Peltier with forced air

-12°C (-37°C Differential)

± 1° C per 8 hours

Operating Environment:

10-80% Relative Humidity

15-30°C Ambient

Exposure:

Auto / Manual, 80ms-17 minutes

Computer Interface: PCI Bus

External Fluorescence Shutter Control:

BNC Connector

Programmable TTL Level Output

Power requirements: 100-240 VAC, 47-63Hz

Size: Camera 3.9"H x 6.5" W x 6.5"D

Weight: Camera 5.1lbs, Powersupply 3.3lbs

SPOT Software Features:

- Mono Live Image Window

- Image Capture Window

- Predefined and Custom Image Setups

- Auto & Manual Exposure

- Auto White Balance

- Flat Field Correction

- Image Enhancement Tools

- Zoom & Pan Window

- Annotation

- Calibration Mark

- Measurement Tools

- Sequential Image Capture & Playback

- Archiving Database

- Report Generator

- Online Help Menu

- Print Dialog

Minimum System Requirements:

PC: Pentium 166MHz or greater w/

Windows 95, 98, 00, NT, ME, XP

MAC: Power PC w/ PCI Bus, OS 8.6-OSX

RAM: 64MB min., 256 Suggested

Video Card: Support of 24 bit

RGB @ Desired Resolution

File Formats:

TIFF, TIFF-JPEG, JPEG, PICT, AVI

Drivers Included:

Twain for Supported Windows Operating Systems

AppleEvent for Supported MAC Operating Systems

Native Drivers for 3rd Party Software:

Call or visit our web site.

Items Included:

Camera Head, PCI Plug-in Board, Data Cable, Power Supply, Power

Cord, Power Supply Cable,

SPOT Software Install CD (includes drivers),

User Guide, 1 Year Warranty

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