



Model:
OPTIKAM B5

Type:
SERIE OPTIKAM® BUDGET

Description:
C-mount and Eyepiece Camera

CAMERA SPECIFICATION

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|------------------------------|----------------------------|
| Digital camera resolution | 5,0 MegaPixels |
| Analog camera resolution | NO |
| Signal output | USB 2.0 |
| Audio Signal | NO |
| Sensor Size | 1\2,5" |
| Sensor technology | CMOS |
| Image format | 4\3 |
| Full Image size | 2592 x 1944 |
| Pixel size | 2,2 x 2,2 micron |
| Frame rate full resolution | 7 frames/sec (2592 x 1944) |
| Frame rate other resolutions | 46 frames/sec (640x480) |
| Sensitivity | 0,53 V/Lux-second (550 nm) |
| Signal / noise ratio | 38 dB |
| Dynamic range | 70.1 dB |
| Max Exposure time | 2,9 sec |
| ADC conversion | 8 BIT |
| Color Depth | 8 BIT |
| ON board Memory | NO |
| External Memory Card | NO |
| External camera power | PC USB |
| Cooling system | NO |
| External Cooling power | NO |
| On camera case IR Filter | 700 nm |
| Automatic White Balance | Auto / Man |
| Automatic Gain Control | Auto / Man |
| Automatic Back light control | Auto / Man |
| Exposure control | Auto / Man |
| C-Mount connection | YES |
| CS-Mount connection | NO |

ACCESSORIES

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|---|---|
| CS-mount to C-mount Ring | NO |
| Optical adapters | 0,45x (for 23mm eyepiece tube) |
| Adapters for Binocular & Monocular microscopes | 30 and 30,5 mm diameter |
| Calibration Slide | YES |
| Always Included | 1.8 m USB cable, Installation manual , CD rom |

SOFTWARE SPECIFICATION

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|----------------------------|--|
| System requirements | Windows XP / Vista / win7 / win8 / 32-64 bit / usb 2.0 |
| Supplied Software | Optika Vision Lite, Optika View |
| Driver types | Optika driver, TWAIN, SDK |
| Capture features | Continuous auto white balance, continuous auto exposure, image size, image capture, compressed video capture |
| Control parameters | Image size, brightness, gain, exposur time, colors, monochrome, color enhancement, flip, speed. |

GENERAL SPECIFICATION

| | |
|----------------------------|---|
| Working temperature | +0 up to +60°C |
| Storage temperature | -20 up to +70°C |
| Relative Humidity | 45% up to 85% |
| Dimensions | Height: 5,5cm Diameter: 7cm Height with optical adapter: 10cm |
| Weight | 220 gr |