



Model:

**C-B1**

Type:

**MICROSCOPE CAMERA "BUDGET" SERIES**

Description:

*USB2.0 C-mount and Eyepiece Microscope Camera*

Distributore Autorizzato : Geass S.r.l. - Torino - Tel.: +39 011.22.91.578 - info@geass.com - web site :www.geass.com

**CAMERA SPECIFICATION**

|                              |                             |
|------------------------------|-----------------------------|
| Digital camera resolution    | 1,3 MegaPixels (1280 x 960) |
| Signal output                | USB2.0                      |
| Sensor Size                  | 1/3"                        |
| Sensor technology            | CMOS                        |
| Sensor type                  | Aptina CMOS                 |
| Image format                 | 4/3                         |
| Pixel size                   | 3,6 x 3,6 microns           |
| Frame rate full resolution   | 15 fps (1280 x 960)         |
| Frame rate other resolutions | 50 fps (320 x 256)          |
| Sensitivity                  | 1 V/lux-second              |
| Signal / noise ratio         | 44 dB                       |
| Dynamic range                | 71 dB                       |
| ADC conversion               | 8 Bit                       |
| Color Depth                  | 1Bit; 4Bit; 8Bit; 24Bit     |
| Exposure Time                | 0.14 msec - 2 sec           |
| Binning                      | 1x1; 2x2; 4x4               |
| IR filter                    | 380-650 nm (IR-cut filter)  |
| Camera power                 | PC USB                      |
| C-mount                      | YES                         |

**ACCESSORIES**

|                                                |                                               |
|------------------------------------------------|-----------------------------------------------|
| Optical adapters                               | 0,5x (for 23mm eyepiece tube)                 |
| Adapters for Binocular & Monocular microscopes | 30 mm & 30,5mm diameter                       |
| Calibration Slide                              | YES                                           |
| Always Included                                | 1.8 m USB cable, Installation manual , CD rom |

**ENVIRONMENT SPECIFICATION**

|                     |                   |
|---------------------|-------------------|
| Working temperature | -10 up to +50°C   |
| Storage temperature | -20 up to +60°C   |
| Relative Humidity   | 30% to 80%        |
| Storage Humidity    | 10% to 60%        |
| Dimensions          | 58 x 58 x 36.4 mm |
| Weight              | 0,18 Kg           |

**SYSTEM REQUIREMENTS**

|                  |                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------|
| Operating System | Windows XP / Vista / 7 / 8 / 10 (32 & 64 Bit)<br>OSx (Mac OSx)<br>Linux                                              |
| PC Requirements  | CPU: Equal to Intel Core2 2.8GHz or higher<br>RAM: 2GB or more<br>USB port: USB2.0<br>Monitor: 17" or more<br>CD-ROM |