

AxioCam ICc 1 Rev. 4

Benefit from improved image quality and an enhanced price/performance ratio

As result of continuous product care, the general image quality of the new AxioCam ICc 1 has been improved. The signal-to-noise ratio has been significantly increased, meaning that the camera can also be used in difficult light conditions. Image quality can be optimized further with the help of correction functions such as black reference and hot pixel correction.

Color fidelity

The color fidelity of the AxioCam ICc1 helps you to capture your specimens realistically. Thanks to the differentiated color reproduction, meaningful results can be achieved.

Color temperature

The target value for the white balance can be defined quickly and easily using a slider. In this way, the color balance can be adjusted optimally to the current light conditions.

Auto Live

The automatic adjustment of the exposure time enables you to work quickly and smoothly, and with simple operation. This is achieved thanks to the high speed and excellent precision of the adjustment algorithm.

Reliability

As the cable is screwed on to the camera, a stable connection is ensured and the possibility of the cable being removed unintentionally is eliminated. This is an important factor in industry in particular.

Flexibility

The two FireWire interfaces allow you to connect two cameras directly to each other and control them from one computer. This gives you flexibility, optimizes the workload of your devices and increases efficiency.



Small, compact and versatile
Improved image quality and color reproduction
Flexible and efficient



We make it visible.

AxioCam ICc 1 Rev. 4

Data and Facts

| | | | |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------|----------------------|
| CCD basic resolution | 1388 x 1038 = 1,4 megapixels | | |
| Pixel size | 4,65 μm x 4,65 μm | | |
| Sensor size | 6,3 mm x 4,8 mm, equivalent 1/2" CCD (diagonal 7,9 mm) | | |
| Spectral sensitivity | ca. 400 nm - 700 nm, with IR barrier filter | | |
| Readout modes | Progressive (1 full frame per readout mode) | | |
| Filter mask | RGB Bayer color filter | | |
| Optical interface | C-Mount | | |
| Live image | Max. frame rate | Mode | Horiz x Vert. |
| | 15 images/s | full frame | 1392 x 1038 |
| | 26 images/s | subframe | 768 x 520 |
| | 28 images/s | subframe | 600 x 480 |
| Readout of subframe (ROI) | Freely selectable | | |
| Digitization | 3 x 8 bits/pixel | | |
| Analog gain | Available | | |
| Interfaces (camera) | 2x FireWire IEEE 1394b (400 megabits/s) | | |
| Power supply | 8 - 36 V, 3,5 W power supply provided by FireWire bus from PC (external power supply only for notebook operation required) | | |
| Ambient conditions (operation) | +5° bis +45° Celsius | | |
| Housing | 45 x 45 x 44,5 mm | | |
| Registration | CE, FCC ClassB | | |
| Scope of delivery | 1x FireWire cable IEEE 1394b to 1394a and AxioVision LE | | |

Relative spectral sensitivity AxioCam ICc 1 Rev. 4 (incl. IR filter)

