



Autorisierter Fachhandelspartner:  
Pulch + Lorenz GmbH  
Am Untergrün 23  
D - 79232 March - Buchheim  
Fax: 07665 9272 - 20  
Tel: 07665 9272 - 0  
[www.pulchlorenz.de](http://www.pulchlorenz.de)



Product Information  
Version 1.0

## **ZEISS Axiocam 105 color**

Your Fast Microscope Camera with 5 Megapixels



We make it visible.

# Technical Specifications

› **Technology and Details**

› Service

ZEISS AxioCam 105 color	
Sensor Type	CMOS
Basic Resolution	2560 (H) x 1920 (V) = 5.0 Megapixels
Sensor Size	5.70 mm x 4.28 mm, equivalent to 1/2.5" (diagonal 7.1 mm)
Pixel Size	2.2 µm x 2.2 µm
ROI	Yes (adjustable)
Digitization	3 x 8 bit/pixel
Read-out Mode	Progressive
Filter Mask	RGB Bayer color filter
Spectral Sensitivity	Approx. 400 nm – 650 nm, IR filter
Exposure Time	100 µs – 2 s
Optical Interface	C-mount
Interface (Camera)	USB 3.0 Micro-B
Interface (PC/Board)	USB 3.0 Standard A
Power Supply	Via USB 3.0 interface
Power Consumption	1.7 W (5 V, 0.34 A)
Housing (WxDxH)	29 x 29 x 47.6 mm
Conformity	CE, FCC Class B, RoHS
Included in Delivery	1x AxioCam 105 color 1x USB 3.0 PCIe x1 interface card/4x USB 3.0 (single bus) 1x USB 3.0 cable 1x SATA power connector cable 1x Molex power connector cable

Live Frame Rate (Depending on Hardware and Software Configuration)

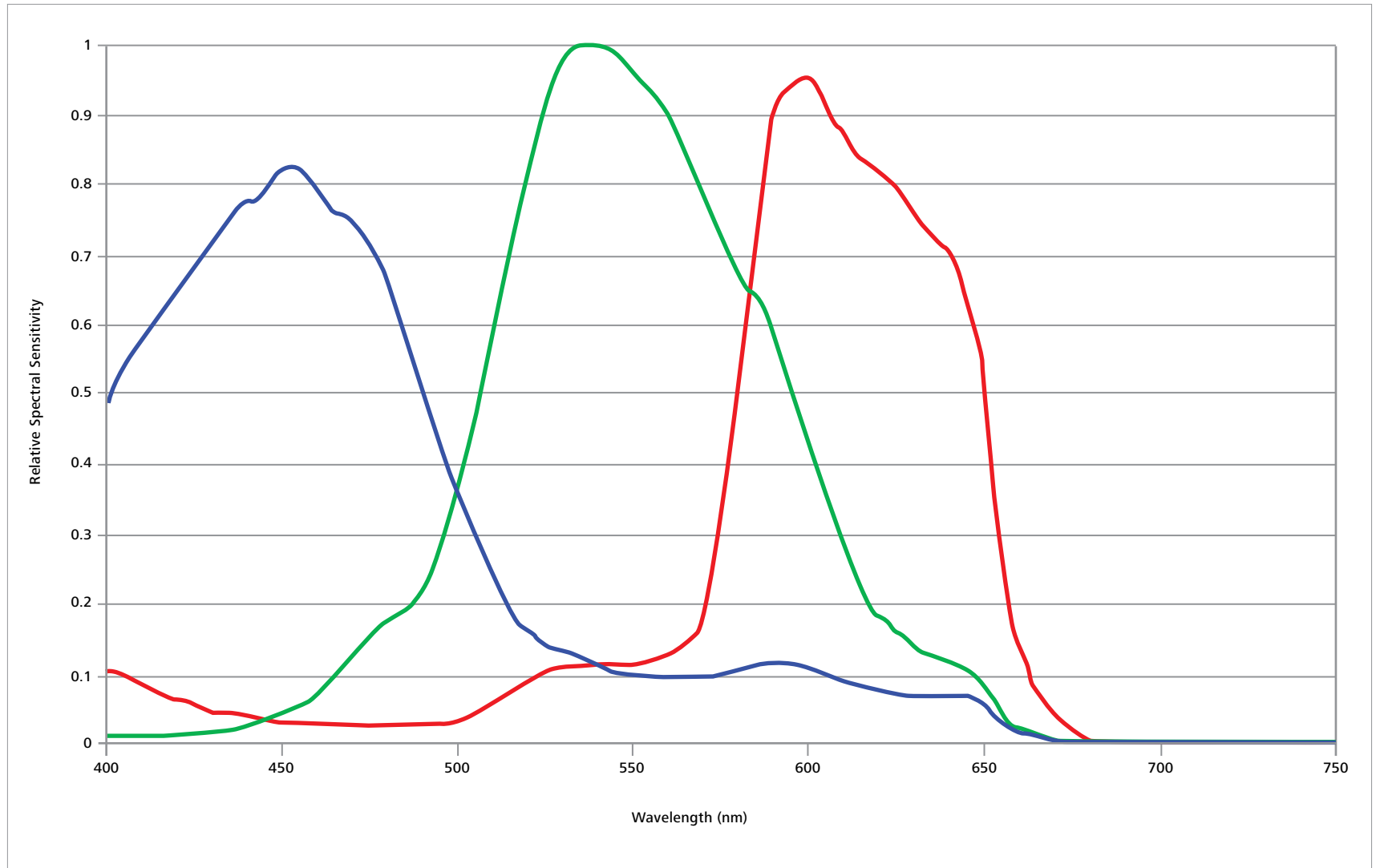
H	x	V	Binning Factor	Frame Rate@1ms
2560	x	1920	1x1	15
1280	x	960	2x2	37
640	x	480	4x4	47

Ambient Conditions	0° ... +50° Celsius, max. 80% relative air humidity, no condensation, free air circulation required
Operating System	Microsoft® Windows 7 x64 Ultimate SP1
Software	AxioVision 4.9.1 SP1

# Technical Specifications

› Technology and Details

› Service



## Count on Service in the True Sense of the Word

› Technology and Details

› **Service**

Because the ZEISS microscope system is one of your most important tools, we make sure it is always ready to perform. What's more, we'll see to it that you are employing all the options that get the best from your microscope. You can choose from a range of service products, each delivered by highly qualified ZEISS specialists who will support you long beyond the purchase of your system. Our aim is to enable you to experience those special moments that inspire your work.

### **Repair. Maintain. Optimize.**

Attain maximum uptime with your microscope. A ZEISS Protect Service Agreement lets you budget for operating costs, all the while reducing costly downtime and achieving the best results through the improved performance of your system. Choose from service agreements designed to give you a range of options and control levels. We'll work with you to select the service program that addresses your system needs and usage requirements, in line with your organization's standard practices.

Our service on-demand also brings you distinct advantages. ZEISS service staff will analyze issues at hand and resolve it – whether using remote maintenance software or working on site.

### **Enhance Your Microscope System.**

Your ZEISS microscope system is designed for a variety of updates: open interfaces allow you to maintain a high technological level at all times. As a result you'll work more efficiently now, while extending the productive lifetime of your microscope as new update possibilities come on stream.

Please note that our service products are always being adjusted to meet market needs and maybe be subject to change.



*Profit from the optimized performance of your microscope system with services from ZEISS – now and for years to come.*

>> [www.zeiss.com/microservice](http://www.zeiss.com/microservice)

The moment your data change scientific minds.  
**This is the moment we work for.**

---

› Technology and Details

---

› Service

---



// RECOGNITION  
MADE BY ZEISS



**Carl Zeiss Microscopy GmbH**  
07745 Jena, Germany  
BioSciences & Materials  
microscopy@zeiss.com  
www.zeiss.com/axiocam

Autorisierter Fachhandelspartner:  
Pulch + Lorenz GmbH  
Am Untergrün 23  
D - 79232 March - Buchheim  
Fax: 07665 9272 - 20  
Tel: 07665 9272 - 0  
www.pulchlorenz.de



We make it visible.