

Microscope camera Axiocam 212 color



Versatile color camera for training, documentation and routine applications with standalone functionality, USB 3.0 and Ethernet connectivity with 64bit driver software for: ZEN (blue and core), Labscope and TWAIN plugin. The camera package includes the following accessories:

- USB 3.0 memory stick, Type-C and Type-A
- USB 3.0 cable Type-C to Type-A
- Power supply and signal cable from camera to microscope stand (compatible with Axiolab 5 and Axioscope 5/7/Vario)
- Power supply unit with country-specific plug
- Sensor type: Sony CMOS color sensor, rolling shutter
- Number of pixels: 4032 (H) x 3044 (V) = 12.3MP, full sensor
- Selectable resolutions:
 - 4032 (H) x 3044 (V) = 12.3MP, full sensor
 - 3840 (H) x 2160 (V) = 8.1 MP, Ultra HD (4K)

- 1920 (H) x 1080 (V) = 2.1 MP, Full HD (1080p)
- Pixel size:
 - 1.85 μm x 1.85 μm (resolution 4032 x 3044 and 3840 x 2160)
 - 3.70 μm x 3.70 μm (binned, resolution 1920 x 1080)
- Effective sensor range:
 - 4032 x 3044: 7.4 mm x 5.7 mm, equivalent to 1/1.7" (9.3 mm diagonal)
 - 3840 x 2160: 7.2 mm x 4.0 mm, equivalent to 1/2.1" (8.2 mm diagonal)
 - 1920 x 1080: 7.2 mm x 4.0 mm, equivalent to 1/2.1" (8.2 mm diagonal)
- Spectral range: approx. 400 nm - 700 nm, IR filter; RGB Bayer color mask
- Control buttons on the camera: 1x power on/off switch 1x restore factory settings (factory reset)
- Status LED on the camera: Color-coded status display Standalone: Image storage format: tiff or jpg Video stream format: mp4 Live
- Frame rates via HDMI: 30 fps @ 4K/1080p
- Live frame rates via software via Ethernet or USB 3.0 (depending on hardware and software configuration), exposure time 1 ms: H x V frame rate
 - 4032 x 3044 up to 11 fps (ZEN (blue) / ZEN core)
 - 3840 x 2160 up to 17 fps (ZEN (blue) / ZEN core)
 - 1920 x 1080 up to 30 fps (ZEN (blue) / ZEN core)
 - 1920 x 1080, up to 30 fps (Labscope)
- Digitization: 24-bit (3 x 8 bit RGB) A/D converter
- Exposure time: 0.1 msec to 1 sec
- Gain: 0x - 27x
- Interfaces for data transmission and power supply:
 - 1x HDMI for monitor
 - 1x USB 3.0 type C for USB memory stick, Wi-Fi adapter or PC connection
 - 2x USB 2.0 type A for mouse and keyboard
 - 1x RJ45 (Ethernet) for LAN connection
 - 1x M8 for power supply and communication with dedicated microscope stands
- Optical interface: C-mount
- Size / weight: approx. 125 x 92 x 78mm / 700g
- Housing: Blue anodized aluminium with cooling fins
- Approvals: CE, CSA, UKCA
- Power supply: via M8 interface
- Power consumption: max. 36 W (24 V DC, 1.5 A)
- Ambient conditions: +5°C... +35°C, max. 75% relative humidity at 35°C, non-condensing, free air circulation required, CAT II, pollution degree 2, altitude < 2000m, indoor use
- Supported operating systems: for ZEN: Windows 10 and 11 x64 or higher for Labscope: Windows 10 and 11 x64 or higher, iOS v15 or higher, Android 12 or higher
- Supported application software: ZEN 3.11 (blue edition) or higher ZEN core 3.11 or higher Labscope v4.3 or higher (Windows, iOS and Android TWAIN Plugin: additional program for controlling the camera using third-party application software
- The camera is network-compatible and can be used with the Zeiss iOS App, Android APP

and ZEISS Labscope software

Item no.	WL87769
Manufacturer	ZEISS
Manufacturer article no.	426570-9901-000
GPSR manufacturer data	Carl Zeiss Micromaging GmbH Königsallee 7-9 DE-37081 Göttingen www.zeiss.de
Length	125 mm
Width	92 mm
Height	78 mm
Sales unit	1 piece
Content unit	1 piece
Colour	blue
Incl. battery	no
Product type	digital microscope
Camera zoom	0x - 27x
ESD compliant	no