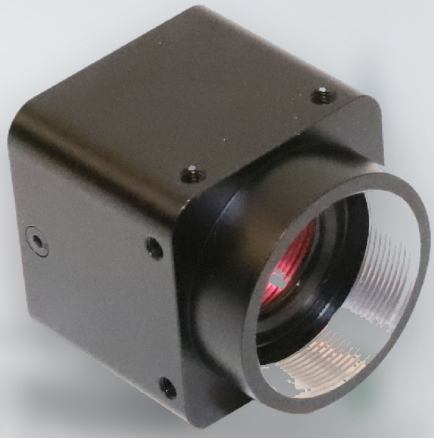
ATLAS+

4K SURGICAL CAMERA





4K ULTRA HD | **30** FPS @ 3840×2160 | **HDMI** STANDALONE OS

LABOMED®
ideas for vision

SPECIFICATIONS

COMPACT 4K IMAGING — SURGICAL & LAB BENCH

The Atlas+ pairs a highly compact C-mount camera head with a feature-rich controller box, delivering fast 4K live streams, software connectivity, and secure on-device capture of stills and video. An onboard operating system puts every camera control directly on a connected 4K monitor, with no host computer required.

With a fast frame rate for its resolution class, the Atlas+ produces high-definition, pixel-rich images with excellent color accuracy. Vertically integrated camera development yields better image quality, easier-to-navigate software and end-to-end driver support.

Item	Specifications
Sensor	1/2” 4K CMOS
Active area	5.70 mm x 4.28 mm
Sensor resolution	Video: 2304 x 1728 / 4608 x 3456 px Still image: 4608 x 3456 px
Pixel size	1.335 µm x 1.335 µm
A/D conversion	24-bit RGB
Pixel clock	48 MHz
Dynamic range	59.5 dB · 1800–8000 K
Exposure time	1 ms–1 s, auto or manual; white balancing; electronic rolling shutter
Frame rate	30 fps at 4K (3840 x 2160): preview, capture and video recording
Image processing	High-speed FPGA, progressive scan, advanced noise reduction
Interface	USB 3.0, HDMI, LAN, USB 2.0, SD card
Optical connection	C-mount
Power supply	5 V / 2 A (USB)
Power indicator	Green LED shows power on and ready to capture
Measurement	Geometric and axial, with calibration
Ambient conditions	Operating temperature: 0–60 °C; humidity: 45–85%
Software requirements	Microsoft Windows (XP and later) / Linux / macOS

Labo America, Inc.
920 Auburn Ct.
Fremont, CA 94538
U.S.A.

Tel: (510) 445-1257
E-mail: sales@laboamerica.com

www.laboamerica.com

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