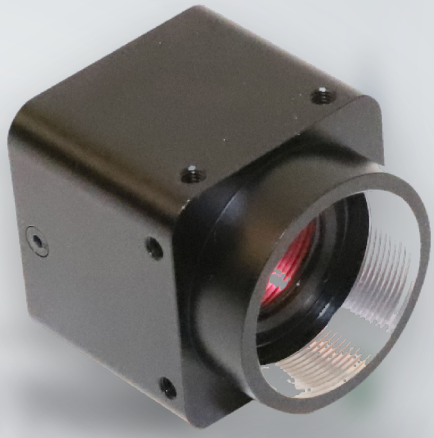
ATLAS+

4K SURGICAL CAMERA





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

LABOMED®
ideas for vision

COMPACT 4K IMAGING — SURGICAL & LAB BENCH

SPECIFICATIONS

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 surfaces every camera control directly on a connected 4K monitor — no host computer required.

Among the fastest frame rates for its resolution class, Atlas+ produces high-definition, pixel-rich images with unparalleled accuracy in color reproduction. Total vertical integration of camera development yields better image quality, easier-to-navigate software, and end-to-end driver support.

Item	Specifications
Sensor	1/2.5" 4K CMOS
Active area	5.70 mm × 4.28 mm
Sensor resolution	Dynamic 2304×1728 / 4608×3456 px Static 4608×3456 px
Pixel size	1.335 µm × 1.335 µm
A/D conversion	24-bit RGB
Pixel clock	48 MHz
Dynamic range	59.5 dB · 1800–8000 K
Max. exposure	1 ms – 1 s, auto / manual, white balancing, electronic rolling shutter
Frame rate	30 fps @ 4K (3840×2160) — preview, capture & 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
Voltage supply	5 V / 2 A (USB)
Power indication	Green LED indicating power on and ready for capture
Measurement	Geometric and axial, with calibration
Ambient conditions	Operating temperature: 0–60 °C; Humidity: 45–85%
Software requirements	Microsoft Windows (XP and later versions) / Linux / macOS

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LABOMED® ideas for vision

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