



MICROSCOPIC CAMERA LD-LUMC-B30

www.labodam.com | info@labodam.com

Microscopic Camera LD-LUMC-B30 is a high-performance imaging system designed for various microscopy applications. Back-illuminated CMOS sensor provides high sensitivity. Strong Image Signal Processor and other related processing functions for enhanced image quality. Standard C-mount interface for maximum compatibility with various microscopy systems.

Features

- Low dark current and no smear achieved
- Adoption of R, G, and B primary color mosaic filters
- 4K HDMI/USB multiple video outputs provides flexibility in connectivity
- Auto switching between 4K and 1080p resolutions
- SD card support for storing captured images and videos
- Embedded X Cam View for camera control
- Stand-alone recording capability when connected to an HDMI monitor or television
- Live streaming to a PC via USB for image capture and video recording
- Calibration of scales at multiple magnifications for multi-level inspection

Applications

Microscopic Camera is intended for the acquisition of digital images from stereo microscopes, biological microscopes, or online interactive teaching.

Specifications

Model No.	LD-LUMC-B30
Sensor type	CMOS Sony IMX178 sensor
Camera type	Colored
Sensor size	1 / 1.8-inch (7.68 × 4.32) mm
Resolution	8.0 MP
Pixel size	2 × 2
Video resolution	8 MP
Frame rate	30 fps at 3840 × 2160 (HDMI), 20 fps at 3840 × 2160 (USB)
G Sensitivity	505 mv with 1/30 s

Connectivity	HDMI, USB
Power	12 V, 1 A
OS requirements	Windows/Mac OS X/Linux
Hardware requirements	CPU: Equal to Intel Core2 2.8GHz or Higher
Image signal processor	Exposure (Automatic / Manual Exposure) / Gain, White Balance (Manual / Automatic / ROI Mode), Sharpening, 3D Denoise, Saturation Adjustment, Contrast Adjustment, Brightness Adjustment, Gamma Adjustment, Color to Gray, 50HZ/60HZ Anti-flicker Function
Mounting size	C Mount
HDMI Interface	Comply with HDMI 1.4 standard 30 fps at 4K or 30fps at 1080P
USB Video Interface	Connecting USB Video port of PC for video transfer MJPEG format video
Working temperature	-10 °C to 50 °C
Storage temperature	-20 °C to 60 °C
Working Humidity	30 to 80 % RH
Storage humidity	10 to 60% RH
PC Requirements	Memory: 4GB or Display: 19" or Larger CD-ROM
Recording system	Still Picture or Movie
Packaging Dimension	300 × 300 × 200 mm
Gross Weight	1 Kg

Optional Accessories

- Embedded Real time clock