



Microscopic Camera LD-LUMC-B13

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Overview

Microscopic Camera LUMC-B13 is a device with 05.X Adapter, equipped with CMOS image sensor chip sensor used to obtain high resolution images along with efficient utilisation of power and minimal heating. Its image analysis software includes various features like capture and save images as well as videos, measure cell size and print the results to give user the latest image processing experience. Widely used in inspections, microbiology, research labs, diagnostic labs etc.

Features:

- 5 MP with USB 2.0 specification
- IR-cut filter to protect the sensor
- Attaches easily to the eyepiece
- Advance color engine for precise color reproduction
- Micro-image analysis software
- Zinc-aluminium alloy compact housing
- Compatible with range of operating system
- Low usage of electricity

Applications:

Used for microscopic imaging, visual inspection, and measurement of test specimen in life science, gemology, archaeology, forensic science, astronomy, pathology, cytology, semiconductor industries etc.

Specifications:

SNR	40.5 dB
Mount	C-mount
Weight	20 gm
Binning	1×1, 2×2, 4×4
Shutter	Global Reset Release (GRR), Snapshot Only, Electronic Rolling Shutter (ERS)
Exposure	0.294 ms to 2000 ms
Optional	USB 1.0
Software	Yes
Interface	USB 2.0
Pixel Size	2.2 × 2.2 ?m
Sensor Size	1 / 2.5 inch (5.70 × 4.28 mm)
Sensor Type	CMOS chip

Power Supply	DC 5V over PC USB Port
Responsivity	0.53 V / lux-sec
Dynamic Range	66.5 dB
White Balance	ROI White Balance/ Manual Temp Tint Adjustment
ADC Resolution	12-bit, On-chip
Cooling System	Natural
Picture Format	BMP, JPG
Spectral Range	380 to 650 nm (with IR-cut Filter)
Exposure Control	Automatic
Fps / Resolution	5 / (2592×1944)
Recording System	Still Picture and Movie
Storage Humidity	10 to 60% RH
Sensor Resolution	5.0 MP
Operating Humidity	30 to 80 % RH
Ambient temperature	-10 to 50°C
Dimension (L×W×H)	58 × 29.4 × 58 mm
Storage Temperature	-20 to 60°C
Active Pixels (H×V)	2592 × 1944