



## **Microscopic Camera LD-LUMC-B13**

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# Microscopic Camera LD-LUMC-B13

## 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:

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

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