MICROSCOPIC CAMERA
LUMC-B13

Microscopic Camera LUMC-B13

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

Model No	LUMC-B13
Spectral Range	380 to 650 nm (with IR-cut Filter)
White Balance	ROI White Balance/ Manual Temp Tint Adjustment
Recording System	Still Picture and Movie
Cooling System	Natural
Sensor Resolution	5.0 MP
Sensor Type	CMOS chip
Sensor size	1 / 2.5 inch (5.70 × 4.28 mm)
Pixel Size	2.2 × 2.2 μm
Active Pixels (H×V)	2592 × 1944
ADC Resolution	12-bit, On-chip
Responsivity	0.53 V/lux-sec
Dynamic Range	66.5 dB
SNR	40.5 dB
Exposure Control	Automatic
Exposure	0.294 ms to 2000 ms
Picture Format	BMP, JPG
Binning	1×1, 2×2, 4×4
Shutter	Global Reset Release (GRR), Snapshot Only, Electronic Rolling Shutter (ERS)

Fps / Resolution	5 / (2592×1944)
Mount	C-mount
Ambient temperature	-10 to 50°C
Storage Temperature	-20 to 60°C
Operating Humidity	30 to 80 % RH
Storage Humidity	10 to 60% RH
Software	Yes
Software Environment	Operating System:
	Microsoft® Windows® XP / Vista / 7 / 8 /10 (32 & 64 bit)
	OSx (Mac OS X)
	Linux
	PC Requirements:
	CPU: Equal to Intel Core2 2.8GHz or Higher
	Memory: 2GB or More
	USB Port: USB2.0 High-speed Port
	Display:17 inch or Larger
	CD-ROM
Interface	USB 2.0
Optional	USB 1.0
Power Supply	DC 5V over PC USB Port
Dimension (L×W×H)	58 × 29.4 × 58 mm
Weight	20 gm