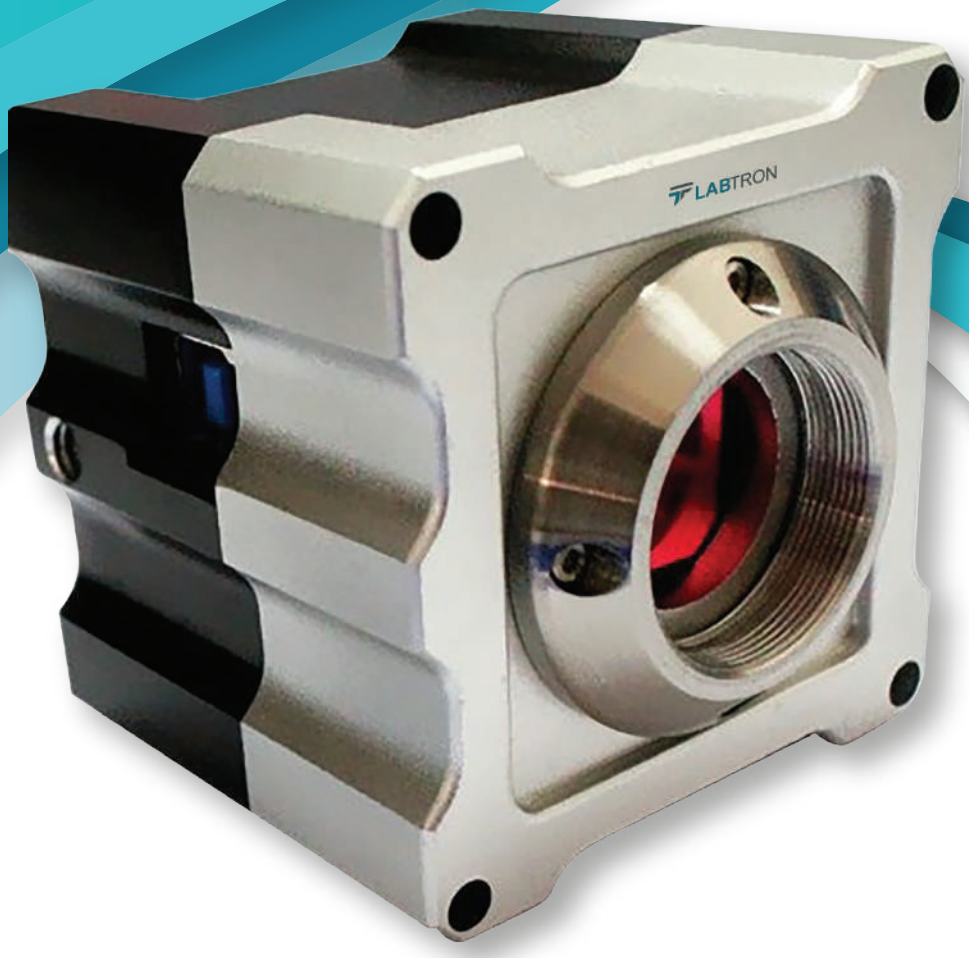
LABTRON

Microscopic Camera
LUMC-C10



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Microscopic Camera LUMC-C10

Microscopic Camera LUMC-C10 is adopted with digital 1/2.3" CMOS Color sensor having dimension of 1.67 µm 1re.m 67 µm, used to improve low light performance and obtain high resolution images. Progressive scanning method is adopted with high sensibility of 0.31 V/lux – sec (550 nm). Its image analysis software includes image previewing, capturing, analysis, processing, sharing function, to give user the latest image processing experience.

Features

- Progressive scanning mode
- C-mount fitting attachment
- Manual or automatic white area balance
- Image analysis software with modular design
- USB 3.0 480 MB/s 1.8 M Cable data interface
- LED indicator

Application

Microscopic Camera is used for high precision image analysis of low light, bright field, dark field, fluorescence in life science and industrial applications and so on.

Specification

Model. No.	LUMC-C10
Sensor Model	1/2.3" CMOS Color
Sensor Dimension	1.67 µm 1re.m 67 µm
Resolution	3840×2748
Scan Method	Progressive scan
Sensibility	0.31 V/lux – sec (550 nm)
Frame Rate	7 fps @3840×2748 , 17 fps @1920×1080 bin
Shutter	Electronic Shutter
SNR	40.5 dB
Spectral Response	400 nm to 1000 nm
Data Interface	USB 3.0 480MB/s 1.8 M Cable
Power	DC 5 V ± 5 %
Current	≈ 200 mA
White Balance	Manual / Auto One-key white balance
Auto Exposure control	49 µs – 3 s, Manual / Auto exposure

Lens Mount	C Mount
Busy Indicator	LED
Working Temperature	0 °C to 60 °C
Working Humidity	45 to 85 %
Software	Spectrum see image analysis software with modular designing, including image previewing, capturing, analysing, processing, sharing function. It gives users the latest image processing experience. The software function: image capturing, time lapse, measuring, data exporting image mosaic, depth of field overlaying, text instruction inserting, etc