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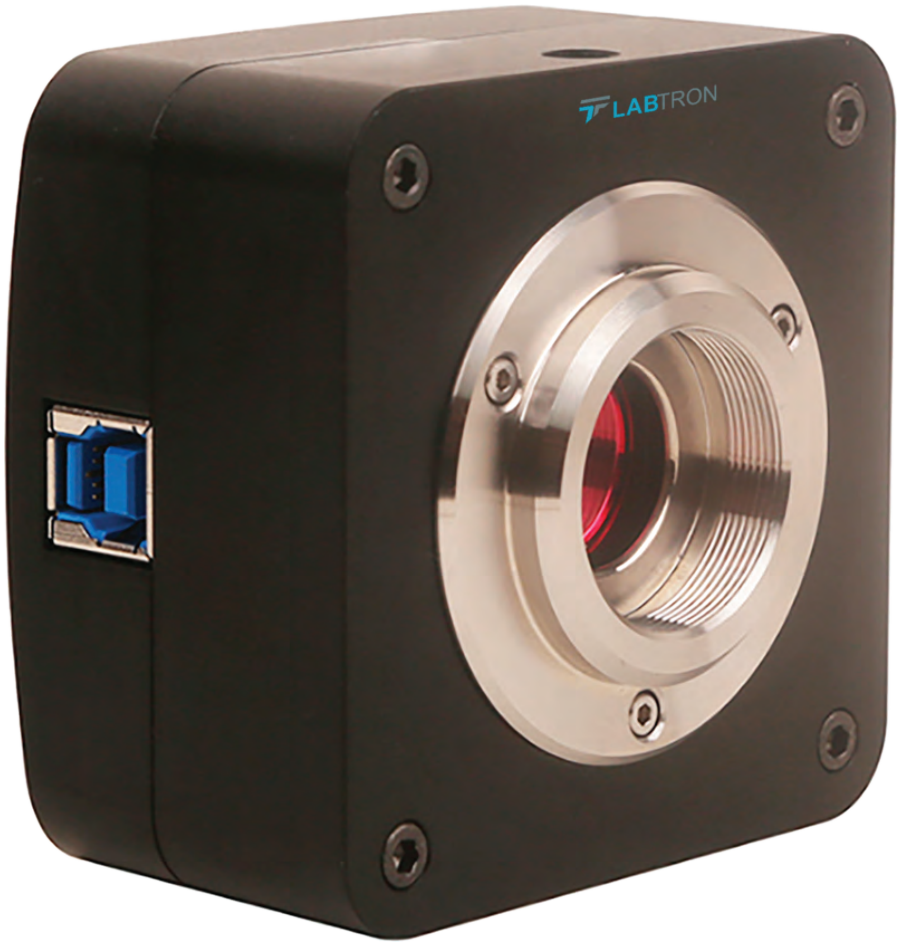

MICROSCOPIC CAMERA LUMC-C11

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Microscopic Camera LUMC-C11

Microscopic Camera LUMC-C11 is adopted with digital 16M/MN34120(C), 1/2.33 inch (6.18×4.66) CMOS color sensor having dimension of 1.335 µm to 1.335 µm, 160 MP resolution, used to improve low light performance and obtain high resolution images. The exposure period of the sample to camera is 0.2 ms to 2000 ms and the USB 3.0 digital camera data interface is used with the spectral range of 380 to 650 nm with IR-filter to improve the quality of the image.

Features :

- Sensor Model: 16M/MN34120(C), 1/2.33 inch (6.18×4.66) CMOS color sensor
- Adopted ultra-high performance CMOS sensor as the image-picking device
- ROI White Balance / Manual Temperature-Tint Adjustment
- Ultra Fine Color Engine technique
- USB 3.0 Digital Camera data interface
- CNC aluminium alloy housing
- With advanced video & image processing application ToupView
- Providing Windows/Linux/Mac OS multiple platforms SDK
- Spectral Range: 380 to 650 nm with IR Cut-filter
- Exposure period of sample is 0.2 ms to 2000 ms
- Natural cooling system

Application :

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

Specifications:

Model	LUMC-C11
Sensor Model	16M/MN34120(C), 1/2.33 inch (6.18×4.66) CMOS color sensor
Sensor Dimension	1.335×1.335 µm pixels
Resolution	16 MP
G Sensitivity Dynamic Range SN Ratio	R: 2453LSB
	Gr: 2444LSB
	Gb: 1054LSB
	B: 996LSB
Frame Rate	6.0 fps @4632×3488
	15.0 fps @2320×1740
	26.0 fps @1536×1160
Binning	1×1,2×2,3×3
Exposure	0.2 ms to 2000 ms
Data Interface	USB 3.0
Spectral Range	380 to 650 nm (with IR Cut-filter)
White Balance	ROI White Balance / Manual Temperature-Tint Adjustment/ NA for Monochromatic Sensor
Color Rendering Technique	Ultra Fine Color Engine/ NA for Monochromatic Sensor
Capture / Control API	Windows/Linux/macOS/Android Multiple Platform SDK (Native C/C++, C#/VB.NET, Python, Java, DirectShow, Twain, etc.)
Recording System	Still Picture and Movie
Cooling System	Natural
Operating Environment	
Operating Temperature	-10 to 50°C

Storage Temperature	-20 to 60°C
Operating Humidity	30 to 80 % RH
Storage Humidity	10 to 60 % RH
Power Supply	DC 5V over PC USB Port
Software Environment	
Operating System	Microsoft® Windows® XP / Vista / 7 / 8 /10 (32 & 64 bit) OSx(Mac OS X) Linux
PC Requirement	CPU: Equal to Intel Core 2 2.8 GHz or Higher, Memory:2 GB or More, USB Port:USB3.0 High-speed Port, Display:17inches or Larger, CD-ROM