

Microscopic Camera LUMC-C11



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Microscopic Camera LUMC-C11 is adopted with digital MN34120(C), 1/2.13 inch (6.18×14.67) CMOS color sensor having dimension of 1.335×1.335 μm, used to improve low light performance and obtain high resolution images. The exposure period of the sample to camera is 0.2 ms to 2s 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: MN34120(C), 1/2.13 inch (6.18×14.67) CMOS color sensor
- ROI White Balance / Manual Temperature-Tint Adjustment
- Ultra Fine Color Engine technique
- USB 3.0 Digital Camera data interface
- Spectral Range: 380 to 650 nm with IR-filter
- Exposure period of sample is 0.2 ms to 2s
- Natural cooling system

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-C11
Sensor Model	MN34120(C), 1/2.13 inch (6.18×14.67) CMOS color sensor
Sensor Dimension	1.335×1.335 μm
Resolution	16 MP
G Sensitivity Dynamic Range SN Ratio	R: 2453LSB
	Gr: 2444LSB
	Gb: 1054LSB
	B: 996LSB
Frames Rate	16 fps @4648×3506
	30 fps @ 2304×1750
	27 fps @ 1536×1168
Binning	1×1.2×2.3×3
Exposure	0.2 ms to 2s
Data Interface	USB 3.0
Spectral Range	380 to 650 nm (with IR-filter)
White Balance	ROI White Balance / Manual Temperature-Tint Adjustment
Color Rendering Technique	Ultra Fine Color Engine
Capture / Control API	Native C/C++, C#, Directshow, Twain, Labview
Recording System	Still Picture and Movie
Cooling System	Natural