LISSCAM

- LISSCAM is an ultra-high performance CMOS camera and it adopts ultra-high performance CMOS sensor as the image-picking device. USB2.0 is used as the data transfer interface.

  Hardware resolutions ranges from 1.3M to 10M and comes with the Integrated zinc aluminum alloy compact housing. LISSCAM comes with advanced video & image processing application LissView8; Providing Windows/Linux/OSX multiple platform SDK; Native C/C++, C#/VB.NET, DirectShow, Twain Control API; The LISSCAM can be widely used in bright field light environment and microscope image capture and analysis with moderate frame rate.

  The basic characteristic of LISSCAM cameras are as follows:

l   Standard C-Mount with Aptina CMOS sensor;

l   With hardware resolution among 1.3M to 10M;

l   Integrated zinc aluminum alloy housing;

l   USB2.0 interface ensuring high speed data transmission;

l   Ultra-Fine™ color engine with perfect color reproduction capability;

l   With advanced video & image processing application LissView8;

l   Providing Windows/Linux/Mac OS multiple platforms SDK;

Specification

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Model	Sensor & Size(mm)	Pixel(μm)	G Responsivity Dynamic range SNRmax	FPS/Resolution	Binning	Exposure
LISSCAM1000-1	10M/MT9J003(C) 1/2.3" (6.44×4.616)	1.67×1.67	0.31v/lux-sec 65.2dB 34dB	1.9@3584×2748 8@1792×1374 27@896×684	1×1, 2×2, 4×4	0.4ms~2000ms
LISSCAM500-1	5.1M/MT9P001(C) 1/2.5" (5.7×4.28)	2.2×2.2	0.53 V/lux-sec 66.5dB 40.5dB	5@2592×1944 18@1280×960 60@640×480	1×1, 2×2, 4×4	0.294ms~2000ms
LISSCAM300-1	3.1M/MT9T001(C) 1/2" (6.55×4.92)	3.2×3.2	1.0 V/lux-sec 61dB 43dB	8@2048×1536 22@1024×768 43@680×510	1×1, 2×2, 3×3	0.244ms~2000ms
LISSCAM130-1	1.3M/MT9M111(C) 1/3" (4.60×3.7)	3.6×3.6	1.0V/lux-sec 71dB 44dB	15@1280×1024 26@640×512 50@320×256	1×1, 2×2, 4×4	0.14ms~2000ms

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Other Specification for LISSCAM Camera	
Spectral Range	380-650nm (with IR-cut Filter)
White Balance	ROI White Balance/ Manual Temp Tint Adjustment/NA for Monochromatic Sensor
Color Technique	Ultra-Fine™ Color Engine/NA for Monochromatic Sensor

Capture/Control API	Native C/C++, C#/VB.NET, DirectShow, Twain and Labview
Recording System	Still Picture and Movie
Cooling System*	Natural
Operating Environment	
Operating Temperature(in Centidegree)	-10~ 50
Storage Temperature(in Centidegree)	-20~ 60
Operating Humidity	30~80%RH
Storage Humidity	10~60%RH
Power Supply	USB Port
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" or Larger
	CD-ROM

Diagram

Dimensions

- The LISSCAM body, made from tough, zinc alloy, ensures a heavy duty, workhorse solution. The camera is designed with a high quality IR-CUT to protect the camera sensor. No moving parts included. These measures ensure a rugged, robust solution with an increased lifespan

when compared to other industrial camera solutions.