

PUDA[®] 140万专业级显微镜相机

SONY CCD SENSOR & DSP CHIP

采用日本索尼高性能传感器芯片及数字处理电路

USB2.0 | High-Resolution | Perfect Color

USB2.0 高速通讯, 高分辨率、完美的色彩还原处理

ULTRA-FINE COLOR ENGINE

Ultra-Fine[™] 专利色彩渲染技术

HARDWARE CONFIGURATION 硬件配置参数:

Image Pickup Device 图像传感器	SONY ICX205AK CCD (彩色)
Scan Mode 扫描模式	Progressive 逐行扫描
Max. Resolution 最高分辨率	1360 x 1024 (Approx. 1,400,000 Pixels)
Sensor Size (Diagonal) 传感器尺寸	1/2 " (Diagonal 7.959mm)
Pixel Size 像元尺寸	4.65 μ m x 4.65 μ m
Imaging Area 传感器有效影像区域	7.60mm(H) x 6.20mm(V)
G Sensitivity 灵敏度	400mV with 1/30s Accumulation
Dynamic Range 动态范围	70dB
A/D Converter 模数转换	12-bit Parallel, 8-bit R.G.B to PC
SN Ratio 信噪比	62dB
Spectral Range 光谱响应	380-650nm (with IR-filter)
Video Format & Frame Rate 视频模式	8fps @1360 x 1024(Multiple Speed Level)
Binning 像素叠加	1 x 1
Long Exposure 超长曝光能力	0.22~4min, ROI Auto & Manual
White balance 白平衡	One Push ROI White Balance/ Manual Temp-Tint Adjustment
Color Rendering Technique 色彩渲染技术	Ultra Fine [™] Color Engine
Peak Quantum Efficiency 峰值量子效率	35%
Readout Noise 读出噪音	N/A
Extinction Ratio 消光比	N/A
Smear	N/A
Capture/Control API 软件接口	DirectShow , Twain
Recording System 记录模式	Still Picture and Movie
Cooling System* 制冷系统	Nature, Optional: PELTIER (Semiconductor Cooling Module)

OPERATING ENVIRONMENT 操作及存储环境要求:

Operating Temperature 工作温度	-10℃ ~ 50℃
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Storage Temperature 储存温度	-20℃~ 60℃
Operating Humidity 工作湿度	30~80%RH
Storage Humidity 储存湿度	10~60%RH
Power Supply 供电	DC 5V over PC USB port

SOFTWARE ENVIRONMENT 软件运行环境要求:

Operating System 操作系统	Microsoft® Windows® XP / Vista / 7 (32 & 64 bit)
PC Requirements 电脑配置	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