

Configuration:

Pro-MicroScan #5930

Part Number	Description	Qty.
CAMC15930	[CAMERA TYPE] 1.4M Pixels C-mount camera	1
CAMAC0059	[USB2.0 CABLE] High-Speed USB2.0 Cable	1
CAMAC0600	[Software CD] Driver and Application software (For Windows)	1
CAMAC0010	[LENS COVER] Ø25.4mm plastic cover for C-Mount	1
CAMAC0012	[ADAPTOR] Ø23.2mm to Ø30.0mm, Ø23.2mm to Ø30.5mm	x
CAMAC6012	[Calibration kit] TS-M2 stage micrometer 0.01mm/100Div.	Optional
	[Image Sensor] 2/3" SONY Exview monochrome CCD	✓
	[OPTIC SYSTEM] CFS anti-dust achromatism system	✓
	[FILTER]400-650nm IR-cuter	✓
	[DSP] Ultra fine color engine	✓
	[Reduction Lens] 0.7x relay lens to Ø23.2mm	x
	Pro-MicroScan user manual	1
	EVA/carton package 16.5 cm (L)X 14.5 cm (W) X 8.5 cm (H)	✓
	Body Dia: 1.97" / 50 mm (D)	✓
	Body Height: 5.51" / 140 mm (H)	✓
	USB cable length: 59.1" / 1.5 m	✓
	Weight(w/ USB cable): 0.66 lbs / 300 g	✓
	Gross weight: 1.32 lbs / 600 g	✓

MiniSee & ScopePhoto Image software

Function	MiniSee	ScopePhoto
Direct Show & Twain input	✓	✓
ROI function	✓	✓
Still Image capture	✓	✓
Movie record	✓	✓
Multi-format support (JPEG,PNG,TIF,PCX,TGA,SFT,PSD...)	✓	✓
Measuring on motion video	0	✓
Advanced 2D measurement on picture with layer information	0	✓
Video scale (e.g. 100X 20µm)	0	✓
Video mark (e.g. + E e □ ○)	0	✓
Date / time mark	0	✓
Video clarity factor	0	✓
Image enhancement	0	✓
Auto focus (DAF Z-axis kit required)	0	✓
Automatic Image Fusion (DAF Z-axis kit required)	0	✓
Manual Image Fusion	0	✓
Plug-in (Image Filter,Segmentation,Binary,Pseudo、3D...)	0	✓

TECHNIQUE DATA SHEET

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Operating Environment

Operating Temperature	0°C to 40°C(32°F to 104°F)
Storage Temperature	-20°C-60°C(-4°F to 140°F)
Operating Humidity	30%~90%
Storage Humidity	10%~90%
Power Supply	DC 5V from PC USB port

Hardware Informations

Sensor MFG	SONY (Japan)
Image Pickup Device	SONY Exview HAD CCD (monochrome)
Max.Resolution	Approx.1,400,000 Pixels
Recording System	Still Picture and Movie
Sensor Model	ICX285AL
Sensor Size	2/3"
Optical Input Window	Fused silica
Hori. drive frequency	28.6MHz
Pixel Size	6.5µm x 6.5µm
Video Mode	1376 x 1024 12fps 12bit,680 x 512(4x4BIN), 340 x 256(4x4BIN)
A/D	12-Bit parallel
Binning	1x1,2x2,4x4
Peak Quantum Efficiency	65%
Dynamic Range	80dB
Sensitivity	0.05v/lux-sec @550nm
Readout Noise	4.5 e-rms @ gain high /5.6 e-rms @ gain low
Spectral Range	380-1000nm(w/o IR cut) , 400-650nm (with IR cut)
Exposure Time	60ms-582s
Extinction Ratio	1 : 2000 @1ms exposure time
Smear	< 0.002%
Exposure	Electronic Rolling Snap(ERS)
ROI(Region of Interest)	Down to 32x32 Pixles

Software Environment

Operating System	Mocrosoft® Windows2003/XP/Vista/2008 32bit and 64bit
Basic PC	CPU:Equal to Inter Pentium4 2.8GHz or higher Memory:1GB or more USB port:USB2.0 high speed port Display:19" or larger



MICROSCOPE CAMERA

Pro-MicroScan

Professional Digital Camera System

- Install Camera Driver
- Install Image Capture Software
- Install Advanced Image Software
- Install DirectX 9.0 API Support

User Guide Get Adobe Reader

