

Configuration:

**Pro-MicroScan #5870**

Part Number	Description	Qty.
CAMC15870	[CAMERA TYPE] 2M Pixels eyepiece 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] Ø23.2mm rubber cover	1
CAMAC0012	[ADAPTOR] Ø23.2mm to Ø30.0mm, Ø23.2mm to Ø30.5mm	2
CAMAC6012	[Calibration kit] TS-M2 stage micrometer 0.01mm/100Div.	Optional
	[Image Sensor] 1/3" HPCCD	✓
	[OPTIC SYSTEM] CFS anti-dust achromatism system	✓
	[FILTER]400-650nm IR-cuter	✓
	[DSP] Ultra fine color engine	✓
	[Reduction Lens] 0.33x relay lens to Ø23.2mm	1
	Pro-MicroScan user manual	1
	EVA/carton package 16.5 cm (L)X 14.5 cm (W) X 8.5 cm (H)	✓
	Body Dia: 2.36" / 60 mm (D)	✓
	Body Height: 4.3" / 110 mm (H)	✓
	USB cable length: 59.1" / 1.5 m	✓
	Weight(w/ USB cable): 0.62 lbs / 280 g	✓
	Gross weight: 1.15 lbs / 520 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	○	✓
Advanced 2D measurement on picture with layer information	○	✓
Video scale (e.g. 100X 20µm)	○	✓
Video mark (e.g. + E e □ ○ )	○	✓
Date / time mark	○	✓
Video clarity factor	○	✓
Image enhancement	○	✓
Auto focus (DAF Z-axis kit required)	○	✓
Automatic Image Fusion (DAF Z-axis kit required)	○	✓
Manual Image Fusion	○	✓
Plug-in (Image Filter,Segmentation,Binary,Pseudo、3D...)	○	✓

## TECHNIQUE DATA SHEET

### Pro-MicroScan #5870

#### 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	N/A
Image Pickup Device	HPCCD
Max.Resolution	Approx.2,000,000 Pixels
Recording System	Still Picture and Movie
Sensor Model	N/A
Sensor Size	1/3"
Master Clock:	48MHz
Pixel Size	3.2μm x 3.2μm
Video Mode	1600 x 1200 12-15fps 12bit,1024×768,800×600,640×480 30fps
A/D	10-Bit parallel,8-Bit R.G.B to PC
Peak Quantum Efficiency	30%
Dynamic Range	65dB
Sensitivity	1.8v/lux-sec @550nm
Spectral Range	380-1000nm(w/o IR cut) , 400-650nm (with IR cut)
Exposure Time	0ms-3000ms
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

