

Configuration:

Pro-MicroScan #5830

Part Number	Description	Qty.
CAMC15830	[CAMERA TYPE] 350K 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" Micron Color CMOS	✓
	[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

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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	Micron (U.S.A)
Image Pickup Device	Micron Color CMOS
Max.Resolution	Approx.350,000 Pixels
Recording System	Still Picture and Movie
Sensor Model	N/A
Sensor Size	1/3"
Pixel Size	8μm x 8μm
Video Mode	640 x 480 30fps,352 x 288,320 x 240,176 x 144,160 x 120,
A/D	8bit R.G.B
Peak Quantum Efficiency	30%
Dynamic Range	62dB
Sensitivity	2.0v/lux-sec @550nm
Spectral Range	380-1000nm(w/o IR cut) , 400-650nm (with IR cut)
Exposure Time	Automatic
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 1.8GHz or higher Memory:512MB or more USB port:USB2.0 high speed port Display:17" or larger

