

Configuration:

Pro-MicroScan #5900

Part Number	Description	Qty.
CAMC15900	[CAMERA TYPE] 8.0M 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] 1/2.5" APTINA super 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	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

Pro-MicroScan #5900

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	APTINA (U.S.A)
Image Pickup Device	APTINA Super color CMOS
Max.Resolution	Approx.8,000,000 Pixels
Recording System	Still Picture and Movie
Sensor Model	N/A
Sensor Size	1/2.5"
Master Clock:	48MHz
Pixel Size	2.2µm x 2.2µm
Video Mode	3264 × 2448 2fps 12bit,/ 1600×1200 / 1280×1024 / 640×480 30fps
A/D	10-Bit parallel,8-Bit R.G.B to PC
Peak Quantum Efficiency	30%
Dynamic Range	75dB
Sensitivity	1.3v/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	Microsoft® 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

