

Digital Monocular Microscope, Model # SMAPRO58X Series



FEATURES:

- Clear image and rich colors
- Fast responding time
- Various output formats
- Magnification continuously adjustable
- Digital data recording and transferring
- Various objective lenses

APPLICATIONS:

- Inspection
- Monitoring
- Training
- Digital data recording

DESCRIPTION:

SMAPRO58X series Digital Monocular Microscopes are important optical tools in microelectronics and many other industries that involve small parts handling and manufacturing. Model **SMAPRO58X series digital microscopes** consist of a digital monocular microscope, a CCD camera, a standard digital microscope boom stand and a 40 piece LED microscope ring light. The liquid crystal display monitor or TV receiver is not included, which allows customer to choose per his/her own preference.

SMAPRO58X series Digital Monocular Microscopes deliver unbeatable optical performance for product inspection, operator training and production flow monitoring. In addition, while model **SMAPRO58U** can take still digital photos and mini movies for record keeping and documentation, model **SMAPRO58V** can bring two different scene or level images to one display for comparison. This function enhances the inspection process dramatically.

SPECIFICATIONS:

Name	Parameters
Microscope Ring Light Input Voltage	100 to 240 VAC/+12VDC
Microscope Ring Light	40 piece LED type, model SW-LIT-L40
Magnitude	0.325x to 4.5x continuous adjustable
Optional Objective Lenses Available	0.5x, 0.75x and 1.0x
Focus Range	2" (50 mm) minimum
Microscope Head Range	4" (100 mm) minimum
Microscope Boom Stand (W x D)	15"x10" (380mmx255mm)
Shipping Weight	8 Lbs (3.6 Kg)

SPECIFICATIONS (continued)

Name	SMAPRO58N	SMAPRO58U	SMAPRO58V
Video Format	NTSC	USB	VGA
Audio Format	FM-Mono	USB	N/A
Need Computer?	No	Yes	No
Computer Specifications	N/A	CPU 2.6G, RAM 512M Windows XP or above	N/A
Resolutions	520 Lines	2.0 Mega Pixels	1.3 Mega Pixels
Display Resolution*	720 Dpi	Up to 1600*1200	Up to 1024*768
Can Take Photo/Video?	No	Yes	No
Frames/Sec	Instantaneous	30F/S for 640*480 Pixels	45F/S for 640*480 Pixels
Can Perform Sector Display?	No	No	Yes
Freeze Photo?	N/A	Yes	Yes
Power Input	110 VAC/+12 VDC	USB	110 VAC/+5 VDC

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- **Note:** Higher resolution will slow down the frames refresh speeds. For example, the frames per second of **SMAPRO58U** will decrease to 15F/S if display resolution is set at 1280*1024.