

# SEMICAPS 2200A

## SEM Active Capture Imaging System

### SPECIFICATIONS

#### Hardware

Scan Control Card (PCI)  
SEM Interface Module  
SEM Interface Cables

#### Software (Single License) SEMICAPS 2200A Imaging (Win 2000/XP)

##### Active capture module

- Active beam control for 512, 1024, 2048 and 4096 resolution
- Hardware point averaging up to 4096 samples
- Software line averaging up to 1024 lines
- Software frame averaging up to 1024 frames
- Synchronize 50/60Hz scan
- Selected area capture (tiny,small,big & full)
- Data entry after capture
- Snap and save function
- Auto file name generation
- Image annotation & measurement functions
- Archiving and printing functions
- Image thumbnail browsing
- Image formats like jpeg, tif or bmp
- Printing using user-defined templates
- Export images with annotations & measurements

##### Image processing functions

- Auto Brightness and Contrast
- Images addition or subtraction
- Brightness, Contrast & Gamma corrections
- Sharpening (3 levels)  Smoothing (3 levels)
- Edge enhancement (3 levels)  Mosaic (6 levels)
- Posterize (6 levels)  Emboss (6 levels)
- Despeckle  Histogram equalization
- Noise reduction  Negative contrast image
- Image resize  Image Zoom & Pan
- Copy and Paste  Image rotation
- Histogram display  Dilate
- Erode  Annotations
- Grayscale conversion

##### Utilities Module

- Micron marker
- Display of magnification, date and note

##### Measurement Functions

- Angle
- Length (Horizontal, vertical or diagonal)
- Measurement result in micron or mil

All specifications are subjected to change without prior notice