



COMPUTER-BASED ANALYSIS SYSTEMS

Leaf Area Root Length Image Analysis



Easy-to-use software programs - choice of packages



Accepts images for analysis from a variety of sources - 'live' video camera, still digital camera, scanners, scanned photographic images, tif, jpeg files, etc.



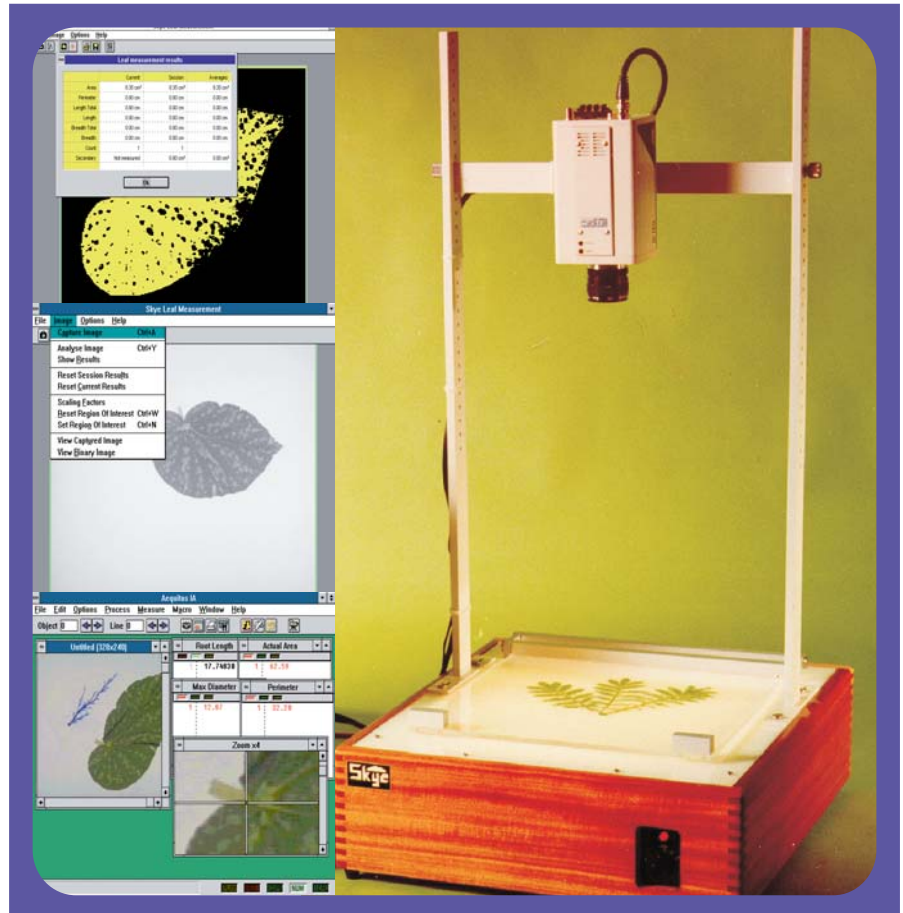
Results can be stored and/or printed



Actual images can be printed



Optional light box with adjustable lighting for accurate results



The Skye Computer Based Analysis Systems are high resolution, high specification systems for automatic measurements of objects. They are PC based and suitable for Microsoft Windows versions 3 and above.

The complete system includes video camera, image capture card (installed in the PC), light box with adjustable controls, frame to hold objects flat during measurement, camera support frame, cables and software. There are 3 full colour softwares to choose from, depending on your application requirements.

Leaf Area and Analysis Software -a dedicated program for fast, repetitive measurements of leaf area, length, breadth, perimeter, count and diseased area.

Root Length Measurement -a dedicated program for fast, repetitive measurement of total root length. Includes an overlap correction function for complex root systems.

Aequitas IA General Purpose Image Analysis Program to measure many different parameters including area, length, diameter, perimeter, count, circularity, plus user definable classes. Suitable for leaves, seeds or any object, plus a root length

module for root measurements. Also includes powerful image processing tools and links with Aequitas IDA image database.

All softwares can be used with the 'live' video camera system above, or can be used alone with scanned or stored images, such as TIF or JPEG files.

Optional components, such as microscopes, zoom lenses etc. are available on request.



SPECIFICATIONS

System Requirements	PC Requirements	Image Capture card	Camera	Light Box
<p>For 'Live' images: PC, Camera, Image capture card, video cable, software (Choose from SkyeLeaf, SkyeRoot or Aequitas 'Lite')</p> <p>For scanned or stored images : software - SkyeLeaf or SkyeRoot or Aequitas 'Lite'</p>	<p>Pentium PC, no earlier than 1996</p> <p>Windows 95 or better</p> <p>16MB RAM minimum</p> <p>Free PCI-slot for image capture card</p> <p>VGA colour display, HI COLOR, 800 x 600 minimum</p>	<p>PCI-slot installation, twain compatible, resolution 1024 x 768</p>	<p>Colour CCD 2/3". Focus F1.4-F1.6, 0.3m to infinity by focus ring. 16mm 'C' mount lens (other lenses available)</p>	<p>Size - 430 x 470 x 140mm</p> <p>Illuminated area - 350 x 380mm</p> <p>Maximum camera height 710mm</p> <p>Power - 110V or 240V please specify</p> <p>Lighting - 6 x 8 watt fluorescent tubes. Models available with dimming controls.</p> <p>Housing - British hardwood cabinet, 6mm translucent ICI perspex working surface, ICI clear perspex leaf frame, painted aluminium camera support frame.</p>

ORDERING INFORMATION

System

SI 700 Computer Based Analysis Systems, includes light box with dimming fluorescent tubes, leaf frame, image capture card, colour camera, camera support frame, cables, one software*, documentation
* Choose one software from SkyeLeaf (SI 724), Skye Root (SI725) or Aequitas 'Lite' (SI 730)

Components

SI 711 Image capture card
SI 721 Light box with dimming fluorescent tubes, leaf frame, camera support
SI 732 Colour camera with lens and video cable

Software

SI 712 Aequitas IA full image analysis software
SI 716 Root length module for Aequitas IA full image analysis
SI 718 Aequitas IDA image database and archive management system
SI 724 Skye Leaf Area and Analysis software
SI 725 Skye Root Length software
SI 730 Aequitas IA 'Lite' software

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