TrueVision 3D System

PRICE	N/A
COMPANY	TrueVision Systems
PHONE	805 879 5200
WEB	www.truevisionsys.com

KEY FEATURES
- Portable ergonomic cart for easy transportation
- Rear projection system
- High definition, real-time vision for microscopes

TrueVision is a 3D vision system for microscopes that frees users from looking through eyepieces. It is an ideal teaching and collaboration tool for ophthalmology, according to the TrueVision Systems Corp., (Santa Barbara, CA). TrueVision converts the optical 3D image viewed through the microscope into a 3D high definition digital image that is displayed on a projection screen in real time, transforming stereomicroscopes into more ergonomic and collaborative devices.

TrueVision also features modern digital imaging capabilities, allowing user to integrate 3D images from the microscope with other medical digital image sources (ie, surgical planning, CT and MRI data). It features the ability to save and retrieve images and video at the touch of a button for record keeping, documentation, and sharing — without giving up the resolution, color, and stereo depth found in the original optical image.

ForeSee PHP

PRICE	N/A
COMPANY	Notal Vision
PHONE	800 728 9615
WEB	www.notalvision.com

KEY FEATURES
- Completely automated system
- Larger normative database provides faster testing and test analysis
- Test measures 500 retinal data points and covers the central 14° of the macular visual field

The Foresee PHP, a second generation Preferential Hyperacuity Perimeter (Notal Vision; Tel Aviv, Israel), improves detection and early diagnosis of age-related macular degeneration and is a clinically validated diagnostic device for improved early detection of choroidal neovascularization.

The Foresee PHP is the follow-up to the Preview PHP, the only ophthalmic device to receive Food and Drug Administration clearance for monitoring the progression of AMD, according to a company news release. The system tracks changes in the patient's visual field by analyzing responses to dot deviation signals. By utilizing a phenomenon called preferential looking, the Foresee PHP can determine abnormalities that may indicate retinal pigment epithelium elevation (RPE). A typical 3- to 5-minute test measures 500 retinal data points covering the central 14° of the macular visual field. The response patterns are recorded, analyzed and compared to the normative database, producing a report that reveals the relative location of the defects in the macular area.

Nidek AFC-210 Pro

PRICE	N/A
COMPANY	Nidek
PHONE	800 223 9044
WEB	www.usa.nidek.com

KEY FEATURES

- Non-mydriatic camera with autotracking and autofocus
- 5.7 inch LCD (640x480) monitor in addition to the special optic system
- Flexible field angle
- Stereo mode

The Nidek auto fundus camera AFC-210 (Nidek; Fremont, CA) delivers the innovative nonmydriatic digital fundus camera that integrates every function required for easy retinal screening. Customized built-in functions of the camera improve the quality and efficiency of medical examinations, according to a company release.

With its true 45º images and 12.8-mega pixel resolution—the highest of any nonmydriatic fundus camera on the market—the AFC-210 delivers superior diagnostic accuracy, while meeting all government standards and reading center criteria for diabetic screening. The autofocus centers on the Y-axis and can photograph pupils as small as 3.5 mm. In addition, low flash intensity facilitates patient flow.

The highly automated design is simple to use, and can take professional quality retinal images after only a few minutes of training, according to a company release. The camera's automatic tracking ensures perfect focus and alignment and a high-speed digital image transfer works with any standard USB 2.0 interface.

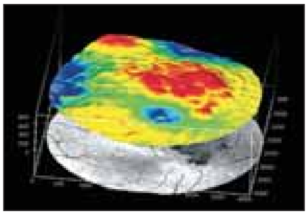
HRT Retina Module Premium Edition

PRICE	N/A
COMPANY	Heidelberg Engineering
PHONE	800 931 2230
WEB	www.Heidelberg Engineering.com

KEY FEATURES

- Color-coded 2D and 3D thickness maps
- Oedema Index to reveal structural changes
- Real-time quality checks with instant operator feedback
- Free positioning of ETDRS grid
- Thickness map overlaid on vessel pattern for comparison with color fundus, FA and ICGA

The Heidelberg (Vista, CA) Retina Tomography (HRT) Retina Module Premium Edition enhances the ability to detect and track retinal pathologies. This new software features advanced capabilities to precisely evaluate retina thickness and to help detect macular edema. Technical advances seen in this sophisticated device allows clinicians to accurately measure structural changes to the retina and treat conditions such as age-related macular degeneration, diabetic macular edema, and cystoid macular edema.



The HRT uses laser technology to produce a topographical image of a patient's optic nerve, providing an objective analysis of the structure's cup, rim and retinal nerve fiber layer. The HRT Retina Module tops the mark in speed, volume and precision, according to a company news release. The HRT acquires 200 times more data and scans 32 times more images-per-exam, which help deliver the most accurate test results possible. Utilizing vessel patterns and other landmarks, the HRT precisely aligns scans for composite images that clearly document changes over time.