

IMAGEnet i-base

NEW



CONNECTING VISIONS

Complete software solution

IMAGEnet i-base:

Introduction

Topcon's IMAGEnet i-base is your complete solution for image and instrument data capturing, processing and storing. The system is designed for all professionals working with clinical information that needs to be taken care of in a logical and secured way. Topcon IMAGEnet i-base is developed to run seamless with the extended range of Topcon medical equipment such as Topcon Retinal cameras, Slitlamps and Topcon Refraction instruments. With the user friendly layout you have full control of every instrument and with a few mouse clicks you can analyze and organize the instrument data.



Basic Module

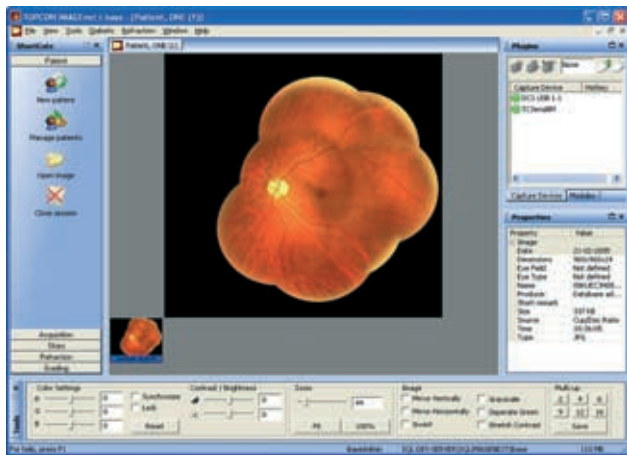
The Basic Module forms the basis to which specialized modules can be connected. It forms the framework of the IMAGEnet i-base system. Besides support for the Topcon Retinal camera's characteristics of the framework include:

- Modern standardized database for all patient and instrument data.
- The IMAGEnet i-base Software can be translated into your local language.
- The names of user interface fields can be changed to local requirements.
- Very user-friendly toolbars guide you through the required actions.
- The windows for captures and viewing images are TAB based which provides a good overview on the data that is open.
- Tools for manipulating the images are available like sharpening and contrast adjustment.
- Users and Groups are managed with an extended authorization module.
- Tools for (automatic) backup and archiving are part of the software installation.
- Multi-media support for all commonly used image and movie formats, including JPG, TIFF, PCX, EPS, WPG, PNG, BMP, AVI and MPG.

Advanced Module

An important feature of the Advanced Module is that it allows other modules and plug-ins to be connected to the IMAGENet i-base system. Besides that there are several additional features that make this a very valuable addition to your i-base system:

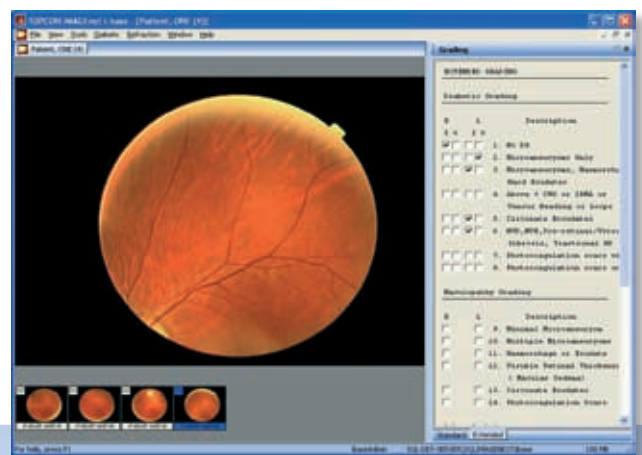
- Easy way to make Compositions of the images that are captured and to store those compositions without losing any details of the individual images.
- Captures are patient orientated and captures of different cameras or instruments are taken into one capture window.
- Advanced imaging tools are available with the special Image Tool window.
- Images and data are represented by Thumbnails for easy recognition and manipulation
- Specific modules can be used to extend the Advanced module even further with for instance the Cellcount module or Automatic Mosaic module in combination with the TRC-NW6S.
- Support for camera's (including Nikon, Fuji and Canon) is done with plug-ins.



Tele-medicine Module

Exchanging data (images, patient data etc) between different i-base systems using so called Patient Packs is the most important feature of the Tele-medicine module. This exchange is needed when different persons on separate locations evaluate the medical data, for instance in diabetic screening.

- The data is sent in XML format using "Patient Packs" that are encrypted and compressed.
- Fully user customizable grading forms.
- Dedicated grading facilities for diabetic screening setups.
- Multiple graders are supported in one system.
- Reports can be generated individual or in batch mode (for more than one report). Reports and letters are based on Microsoft Word Templates, which can be created and modified by the user.



Refraction Module

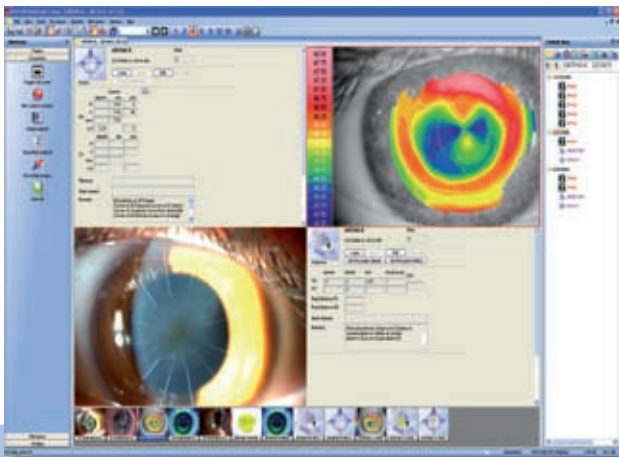
This module supports all Topcon Refraction and other instruments.

- Data formats include Subjective, Objective, Final, Tonometer and Lensmeter data.
- The following types of instruments can be connected: Lensmeters, Refractometers, Kerato Refractometers, Vision testers and Tonometers.
- Special optional lens fitting software supported, which includes a full database with the most common lens manufacturers.
- Communication with the Topcon computerized phoropter operation software is provided. Also is it possible to use previously obtained data as a starting point for further operations.

Eye-Doctor Module

This module adds all required functionality to use i-base in a clinical environment.

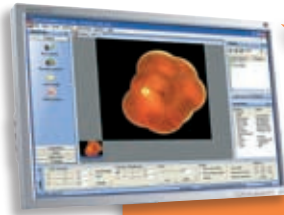
- Support for timers for Fluorescein and ICG
- Procedure support
- Measurement in mm and mm²
- Support mydriatic camera's
- Support for high-end camera's like Megaplug II serie
- More advanced imaging tools
- Advanced query possibilities on database





Basic

- Complete patient management functionality
- Basic imaging
- Full database access



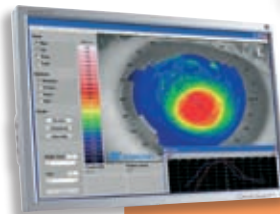
Advanced

- Advanced imaging tools
- Suitable for camera plug-in
- Flexible composition of images and data
- Suitable for connection to mosaic module and cupdisk ratio module
- Thumbnail selection and view



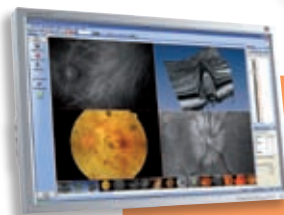
Refraction

- Connection to devices for capturing objective and subjective refraction data
- Connectable to lensmeters, (kerato) refractometers, visiontesters, tonometers and corneal analysers



Telemedicine

- Flexible and user configurable grading forms
- Reporting based on Word templates
- Automatic report generation



Eye-Doctor

- Timer support
- Measurement
- Database Queries
- Support high-end camera's

IMAGeNet i-base technical Specifications

Software	Developed under the Microsoft .Net environment using C++ and specialized user interface and image manipulation libraries
Supported OS	Windows XP SP2, Windows 2000 SP4
Database	Microsoft Desktop Engine or Microsoft SQL Server Audit trail available
Data formats	Using XML or INI file formats
Data exchange	Compressed and using strong encryption
Authorization	Three layered authorization model using: <ul style="list-style-type: none"> • Windows Authorization Level • SQL Server Authorization Level • IMAGeNet i-base Authorization Level <p>Authorization is done using Users, Groups and Rights</p>
User Interface	Implemented with a Library providing full and native Windows XP look and feel. Features include: <ul style="list-style-type: none"> • Toolbars, iconized menu items, shortcut bars • Tabbed MDI interface • Thumbnail view and floating, dockable dialog windows

Minimal PC requirements

Processor	Pentium 4
Memory	1024 Mb
Harddisk	100 Gb
Graphical board	Capable of resolution 1024x768, 32bits
CD/DVD	CD-reader

* Subject to change in design and/or specifications without advanced notice.

IMPORTANT In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.



Topcon Europe Medical B.V.
Essebaan 11; 2908 LJ Capelle a/d IJssel; P.O. Box 145;
2900 AC Capelle a/d IJssel; The Netherlands
Phone: (+31) 10 4585077; Fax: (+31) 10 4585045
E-mail: medical@topcon.nl; www.topcon.eu

Topcon Deutschland GmbH
Giesslerallee 31; D-47877 Willich, Germany
Phone: (+49) 2154 885 0; Fax: (+49) 2154 885 111
E-mail: info@topcon.de; www.topcon.de

Topcon Scandinavia A.B.
Neongatan 2; P.O. Box 25; 43151 Mölndal, Sweden
Phone: (+46) 31 7109200; Fax: (+46) 31 268607
E-mail: medical@topcon.se; www.topcon.se

Topcon Danmark
Praestemarksvej 25; 4000 Roskilde, Danmark
Phone: (+45) 45 327500; Fax: (+45) 46 327555
E-mail: topcon@topcondanmark.dk
www.topcondanmark.dk

Topcon España S.A.
HEAD OFFICE; Frederic Mompou, 5; 08960 Sant Just Desvern; Barcelona, Spain
Phone: (+34) 93 4734057; Fax: (+34) 93 4191532
E-mail: medica@topcon.es; www.topcon.es

Topcon S.A.R.L.
HEAD OFFICE; 89, rue de Paris; 92585 Clichy, France
Phone: (+33) 1 41069494; Fax: (+33) 1 47390251
E-mail: topcon@topcon.fr; www.topcon.fr

Topcon Italy
Viale dell' Industria 60; 20037 PADERNO DUGNANO;
(MI) ITALY
Phone: (+39) 02 9186671; Fax: (+39) 02 91081091
E-mail: topconitaly@tiscali.it; www.topcon.it

Topcon (Great Britain) Ltd.
Topcon House; Kennet Side; Bone Lane; Newbury
Berkshire RG14 5PX; United Kingdom
Phone: (+44) 1635 551120; Fax: (+44) 1635 551170
E-mail: info@topcon.co.uk; www.topcon.co.uk

Topcon Ireland
Unit 69, Western Parkway; Business Centre
Lower Ballymount Road; Dublin 12
Phone: (+353) 1460 0021; Fax: (+353) 1460 0129
E-mail: topcon@indigo.ie