

## **RETINAL MAPPER**

As an ophthalmologist, accurate and quick retinal panorama maps of your patients are highly valuable. The maps give you a perspective that is missing with single fields of view. Recognizing the onset and progression of disease in the retina is possible only with baseline images that are compared to one another. Today's fundus cameras are not going to give you calibrated maps and allow for registered overviews of the retina in any easy manner. You need it in your practice, but can't always get it for your patients' evaluations.

Now you are do this easily. Collect and send your patients' retinal images to **Retinal Mapper**, 3D VIsionSoft's online cloud based retinal analysis service. The images are processed through our proprietary software for:

- Panorama Reconstruction
- Retinal Map Registration
- Retinal Map Comparative Analysis

Retinal Mapper is customizable to your practice's need. If you want to keep the patient's images unnamed and on our system for time based analyses when your patient visits for his/her eye examinations, you can do so. As each examination's set of retinal images are uploaded, they are compared to the previous sets and any abnormalities that are detected are reported back for the patient's consultation. You have access to each and every panorama, every single field of view of the retina, and all the topological maps of markers that Retinal Mapper detects during its analyses.

All of these services have been proven in clinical studies and are the result of years of research and development with ophthalmology instrument companies, ophthalmic practitioners, and algorithm development by software professionals in the field of image analysis.

Retinal Mapper will analyze the images over time for reflections of disease and initially provide these forms of analyses:

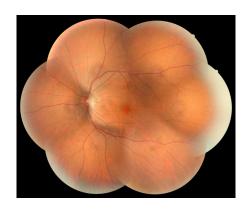
- Optic Disc Analysis
- Blood Vessel Analysis
- Retinopathy Detection
- · Glaucoma Detection

Retinal Mapper is available as a simpler but still powerful offline software application for a personal computer or the iPad. Furthermore,

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#### **Features**

- Cloud based service available everywhere there is a computer, smartphone or tablet
- Improved service offering to patients and referring ophthalmologists
- Lower costs than existing methods
- Easy to understand, implement, and monitor patient compliance
- Integrated program for diagnosis, treatment, and follow-up
- Cost containment by preventing serious complications
- Panorama reconstruction
- Registration of retinal maps
- Retinal comparison to reveal subtle differences in morphology

## **Analyses**

- · Optic Disc Analysis
- Blood Vessel Analysis
- · Retinopathy Detection
- Glaucoma Detection

#### **Disease Detection**

- Diabetic Retinopathy
- Glaucoma
- Hypertension

#### **Outcomes**

 Improved diagnostics ultimately result in improved patient outcomes



# Our Company

3D VisionSoft provides customized solutions in software for a variety of applications. We work for both clients as well as develop solutions that we think are needed in our complicated world. The applications that we choose are those that we view as having a strong impact factor, or sometimes just cool to have. Whether it's for a client or for us, we follow the basic principles set forth below.

## Philosophy

The goal of 3D VisionSoft is to integrate various forms of technologies stemming from computer information services and custom software development to the basic science and medical fields. The company's values are based on strong working relationships with the clients, developing a level of communication, understanding, and interaction that engenders trust, integrity, and honesty. Projects are chosen that can make an impact on life in general by improving the quality of scientific and medical research.

### Value Proposition

3D VisionSoft works with each client to understand his or her needs and concerns before taking on a project. The quality of the team interaction and the technology and software end product is the most important goal. We will efficiently evaluate client business requirements before recommending a software design solution. We will develop custom software and perform the software integration if necessary.

# Business Opportunities

3D VisionSoft also considers opportunities with novel and important applications in biotechnology and medical instrumentation and brokers deals with the investment community and the entrepreneurs.

### Our Team

Our team consists of professionals who share a common goal of fostering a future generation of software intelligence. We are a family of like minded innovators, scientists, clinicians, engineers and experienced businessman focused on developing pragmatic products.

Client side (IOS iPhone, Android phone, IOS iPad, Apple, Windows, Linux), proof of concept modeling and 3D CAD/CAM modeling services are all performed in San Diego, CA, USA. Server side, algorithmic design and mathematical research, specifically in image processing, are carried out in Pune, India. The offices in Perth, Australia liaise with the business and investment arms, and also manage most of the clinical testing for medical applications.

# **Building Products**

At 3D VisionSoft, we can design/create full applications, either for internal use by you or your end user customers, or as actual commercial software products. Our product engineering encompasses the entire product development cycle from conceptualization to maturity. Proof of concepts help you visualize your product and test its basic premises. The development phase focuses on meeting your individual needs to be the best in class. We can bring value to your product by reducing the product release cycles, controlling costs and enabling market leadership through quality and innovation. In addition to the product, we can provide full documentation, technical guidance, and training if needed.

# **Providing Services**

At 3D VisionSoft, you can relax by working with us and letting us pull together our resources to help you support your investment in your business and succeed. We will do what it takes to establish and nurture a long-term relationship with you and work side-by-side with you before and after our working relationship so that you can continuously reap the benefits of our solutions.