Specification

Medical Purpose

OnyxCeph³™ is a powerful Client-/Server Windows™ Application with a NexusDB SQL Database to work with 2D and 3D image records.

OnyxCeph³™ was primarily developed as an image management and image analysis software for dental units to support the workflow in image-based diagnostics, treatment planning and patient education in general dentistry, orthodontics and oral-maxillofacial surgery as well.

Stand alone software OnyxCeph³™, developed, placed on the marked and put into service by Image Instruments is intended to be used for the medical purpose of managing and diagnostically evaluating two-dimensional and three-dimensional images in the framework of dental applications by qualified staff only.

Diagnostic and therapeutic decisions cannot be motivated exclusively or even mainly on evaluation results provided by the software.

The intended medical purpose requires a legal registration and activation of the software by the user.

Unauthorized trial versions may only be used to become familiar with the application acc. to its user interface and functionality but do not represent a medical product so far.

Functionality

Software OnyxCeph³™ running on Windows™ Operational Systems represents a client/server network application with integrated SQL database NexusDB for the purpose of

- Image-based diagnostics
- Image-based treatment planning
- Patient education
- Professional training

using two-dimensional and three-dimansional image data in orthodontics, general dentistry and oral-maxillofacial surgery.

[see also manual]

Program Versions | Modules

Topic	Content
Program Versions	Available program versions
Version Featurelist	Program version comparison
Module Windows	Module Overview
Module Windows 2D	Overview Modules 2D

Topic	Content
Module Windows 3D	Overview Modules 3D

Release Information

Release history
New in current Release

Prerequisites

All measurement, simulation, and image processing tools provided by OnyxCeph³™ merely serve to assist you in finding a diagnosis. All diagnosis and possible treatments must be based on clinical knowledge and experience. OnyxCeph³™ does not lay claim to replace the diagnosis of the physician.
Additionally, it is pointed out that the results obtained by the measuring functions of OnyxCeph³™ can only be correctly calculated on condition of the object to be evaluated being digitally imaged in the focal plane without distortion. This has to be secured by means of appropriate calibration of the image acquisition process or suitable correction of the digitally recorded images.
The propriety of the used algorithms for 2D and 3D measurements on data sets can be verified by both test images which can be loaded from the root directory of the installation medium and download installation zip file. Both test images have to be classified as image type NoType (2D) resp. NoType (3D) and analyzed by the Calibration analysis. The error of each such measurement should be within the standard deviation displayed in column norm value.

Image And Tracing Types

Topic	Content
Image Types 2D	Pre-defined 2D image types
Tracing Types 2D	Available tracing types
Image Types 3D	Pre-defined 3D image types 3D
Tracing Types 3D	Available tracing types 3D

Getting Started

⇗ Getting Started