

Intra-oral camera solution



IOflex is an intra-oral camera solution for dental applications. With IOflex, videos and images are recorded and captured in full HD. The innovative feature enabling image enhancement directly in the camera's FPGA ensures excellent image reproduction and smooth video streaming. This means that even high-resolution videos can be transmitted to the computer via a USB 2.0 interface.

The continuous autofocus provides consistently clear images with zero latency and without the need for any manual adjustment. The NET IP core features make IOflex a high-precision tool for all requirements from macro visual ranges to full face images.

With IOflex, dentists can continue to use their existing dental software. The driverless UVC interface makes it incredibly easy to integrate the camera solution into various different software environments. A full range of features and full system compatibility under Windows, Mac and Linux make it much easier for medical professionals to do their work.

NET can also configure IOflex to meet individual customer requirements. The design of the flexible sensor head follows the shape of the medical device and offers valuable support to manufacturers in terms of product development. Special diagnostic features help increase confidence when it comes to making decisions. The result is a device that is easier to use and more comfortable for the patient.

Highlights >

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HIGHLIGHTS



Fast focus for consistently precise results

The continuous autofocus produces clear images in just a fraction of a second. This means that the dentist can always rely on a perfect picture of the visible area - without the need for any complicated or time-consuming manual adjustment. Even where visibility is poor, the camera-integrated NET IP cores help produce faster results.



Full system compatibility

IOflex can be quickly and simply integrated into a wide range of work environments. IOflex can be recognized by the dental software and is able to stream images without having to install a driver. Preconfigured features can be adjusted directly in the camera. IOflex is compatible with all standard operating systems: Windows, Mac and Linux.



Customized functions and configuration

High-performance algorithms and additional features make IOflex the ideal vision solution for satisfying the highest imaging demands. Preconfigured features can be adjusted directly in the camera, encouraging an ergonomic work technique. Customized lighting management enables automatic light adjustment and makes additional diagnostic features such as fluorescence, x-ray modes and IR illumination possible.