

APP1170

Micro-camera for dental inspection

- ✓ Medical
- ✓ Visualization

Complexity

1 2 3 4 5



TECHNICAL FEATURES

- *Miniaturized color camera*
- *Integrated in the dentist's armchair*

1 CUSTOMER NEEDS

The customer manufactures dentists's armchairs and needs a system that can display the oral cavity the patient on a monitor. The dentist uses the images to better explain the operation to the patient. The system needs to be fully integrated in the dentists armchair, both from technical and aesthetical point of view.

- Display of the under dental surgery area
- Full integration with the dentist armchair

2 SOLUTION

EOPTIS proposed a solution with a miniaturized camera with an integrated light source, packaged as a dental surgeon tool. The resulting system is an handy tool for the dentist, non-invasive for the patient. The camera send images to a visualization unit that can drive both a small monitors (3.5") mounted on the chair (for the patient) and a bigger one (for dentist assistant).

- Intra-oral miniaturized camera
- Visualization unit with two video output

3 BENEFITS ACHIEVED

EOPTIS developed an easy to use system, that delivers good quality images without particular settings. The result is a tool that effectively improves the communications between the doctor and the patient. The dentist benefits from this and the armchair manufacturer has created a differentiation factor and gained competitive advantage.

- Hi quality with an easy to use tool
- Differentiation factor