

## **Annotation**

In this degree project I calculated and designed the device for medical thermography. It is assumed that the device is designed for the diagnosis would apply in almost all areas of medicine.

This project presents a device for medical diagnostics, whose work is based on the method of remote infrared thermography. Scope recorders includes medicine, traumatology and orthopedics, pulmonology, otolaryngology, endocrinology, Mammology, dentistry, ophthalmology, dermatology, used to assess the results of microsurgical operations and others.

In this paper we addressed the following scientific and technical task: selected type infrared matrix (sensor), developed optical system, created block diagram of the medical thermograph, performed detailing and assembly drawing device, designed the main characteristics of the optical system, designed the basic design elements and selected components of the concept . Economic indicators were calculated according to a technique.