

Abstract

The development of the IP-TV in Karaganda presented in this thesis project. The principles of building a network of IP-TV using GPON technology and uses the concept of FTTH.

The technical description of the technology, the choice of equipment, technical calculations and the selection of fiber optic cable.

In the health and safety analyzed the working conditions of employees of department of communication, calculation of natural and artificial lighting, the development of industrial ventilation. In the business plan for the analysis of the economic efficiency of the network IP-TV.