# Cat Eye Disease Diagnostic Device

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Recently, the number of single-person households and nuclear families raising pets are increasing. In addition, while the number of pet supply stores and veterinarians on the streets increases, animals do not receive medical insurance. So even if they go to the hospital once, they need a considerable amount of money. If the pet owner visits the hospital late because the pet owners are worried about huge medical expenses, animal diseases can become more serious. However, even though there is no disease, the pet owner may feel burdened with medical expenses because visiting the hospital wastes money and time. Therefore, to save the money and time of pet owners and protect the health of animals, the "cat eye disease diagnostic device" using artificial intelligence was produced. The diagnostic device was designed to learn more than 2000 pictures of each disease on the ai hub with resnet152 to produce an ai model and to recognize the cat's eyeballs with a webcam using HTML and JavaScript. Currently, it is only diagnosing cats' eyes, but improving accuracy and replacing the database with other data can be expected to distinguish and recognize dog skin diseases and oral diseases of other animals.

**Awards Won:**