The KIA Laureate
Outstanding Achievement in National Production

● **Achievement:** ANPR and enforcement traffic camera
● **Representative: Hossein Tohidi**
● **Executive Organization: Pooya Fanavaran Kosar**
● **Collaborators: Kaviani jebeli, Alireza Sojoodi haghighi, Mahmood Talafi Noghani, Mahdi Mohammadpoor, Ali Pakniyat, Mahmood rahimi Farahani**

Abstract:

The knowledge-based Pooya Fanavaran Kosar company is an active and leading technologists group, in the field of Computer Vision, which has produced several products based on Image Processing, especially in the area of ITS. Years of research and development, in the field of intelligent traffic systems, resulted to the creation and production of a wide range of products based on leading technologies with diverse functions, as follows:

On-vehicle installed speedometer system is based on three-dimensional image processing. This system is the first of its kind and has been mounted on police cars. The speedometer installed in police cars, moving or not, will display all the cars around .

The next generation product has been produced thanks to all the accurate knowledge generated in this company. The stationary three-dimensional speedometer and license plate reader system has the potential to take color photographs and detect all vehicles with any color, shape, license plate, at any speed, even high ones, and at any moment of the night and day.

The three-dimensional detection system, measures and classifies small and heavy vehicles into two categories with faultless and accurate precision.

The newest system, " the Karabin Embedded Camera" is a state of art technology . It is inserted in one camera, ANPR camera, IR and white projectors, power, control, and integrated processor circuits. By switching on the power the camera will extract license plates numbers and violations data.

The success of knowledge-based Pooya Fanavaran Kosar company is mainly due to:
● Research activities based on teamwork, dynamism.
● A long decade of research and development, in intelligent traffic technology, the manufacture of a wide range of products based on state of art technology with diverse applications, particularly, in the field of information technology.
● The transformation of an idea into a production, innovation and private investment. Compliance with scientific methods research and development units which enables the development of software and hardware products, based on knowledge.
● Good documentation and appropriate instructions provided with the product.
● Market knowledge, mastering bulky production. Commercial brand recognition, taking into account , national and foreign competitors. Detaining a high portion of the national market. Foreign exchange savings, future program for exporting and at last sustainability .