

A smart visual sensor is a **petit video camera** with the inbuilt image processing capabilities.

Assigned for detection of events on the basis of visual analysis

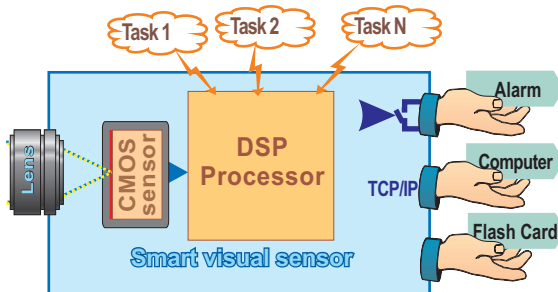


Application areas:

safety systems
measurement and control
procedures in industry
scientific studies
road traffic control
robotics
medicine

Available demo applications:

SEPARIT – detection and tracking of moving objects
FOD – detection of lost (abandoned) luggage and vehicles
DERAD – detection of crucial changes in the field of view
PRIND – detection of motion and integration of changes as long as the event goes
ON-THE-FLY – acquisition/filtration/transmission of a shot with a set of selectable filters
FLASH – detection and recording of light flashes



Application function is specified by the installation program

The sensor provides the following:

detects changes like form, color, speed, dimension, motion, immobility, gestures, trajectory, flashes

processes the results on-line and delivers an exposure, a video fragment or historical data
stores in the autonomous mode the data on the recorded events; operates as a system of computerized vision on the autonomous mode

specific application codes **can be installed** into the camera **without dismantling the same**

the camera **can be used** with both colored and monochrome sensors

the camera **can deliver the alarm signal**, engage the exterior loads and provide feedback to the signal from the outside source

The device is peculiar for consuming low energy and having small size (65 95 30 mm)

Additional capabilities like transmission of messages over mobile communication links and battery supply are under development

A lot of up to 100 pieces can be produced on order. New applications conforming the technical requisites of the customer can be developed. Investments are welcomed for production on the industrial scale

Контактная информация:
тел.: (83130) 4-07-62
факс: (83130) 4-55-69
e-mail: zhukov@expd.vniief.ru

