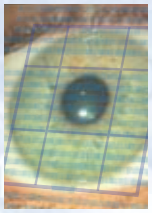
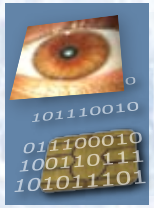
Application area

Biometric identification



Personal identification
by the human eye iris

Biometric personalization of electronic documents

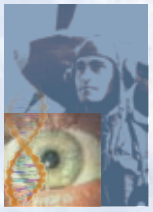


Generating of biometric iris templates
for electronic documents chip and
personalization centers databases

Control of working places access

Working places grant access
authorization on the basis of personal
verification by means
of iris biometric data

Medico-genetic and professional consultation of workers



Formation of iridoglyphic cards
for working under extreme conditions

Contact information

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Iris system for occupational selection

Electronic iris representation

Biometric iris scanner provides:

- Registration of iris images according to with GOST R ISO/ IEC 19794-6:2006
- Requered repeatability of measurement result of iridoglific phenotype
- Transmission of digital images on personal computer I/F USB 2.0

Biometric iris scanner software provides:

- Automated detection of iridoglific phenotype parameters as well as human functional status, human adaptation, reparative abilities and functional condition of different organs and organism systems

- Personal data and iris images data of iridoglific research results storage in the database

Iridoglific phenotype parameters:

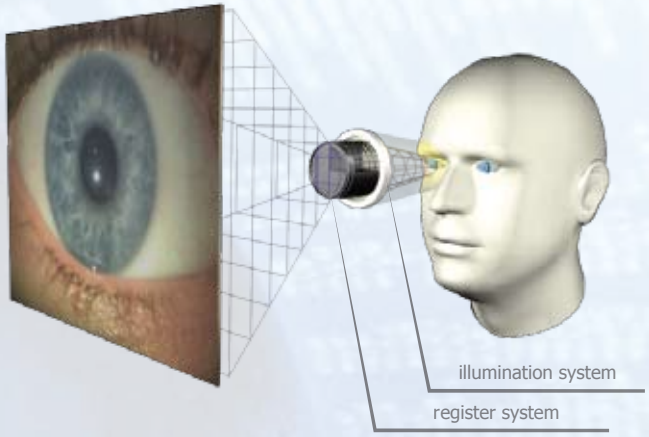
- Human iris color
- Iris stroma density
- Human iris type
- Pupil deformation
- Pupil decentralization
- Autonomous ring deformation
- Degree of autonomous ring slagging
- Geterochromia
- Iridoglific features localization

Biometric system for occupational selection

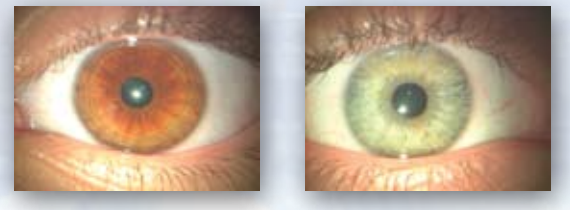
Technical features

Image region size	more than 16x16 mm
Spatial resolution	620 ppi
Depth of focus	more than 1 mm
Range of illumination	200 - 500 lux
Time of operationability	less than 20 sec
Time of signs deselecting	from 1 to 5 min
Time of characteristics analysis	less than 4 sec
Data interface unit	USB 2.0

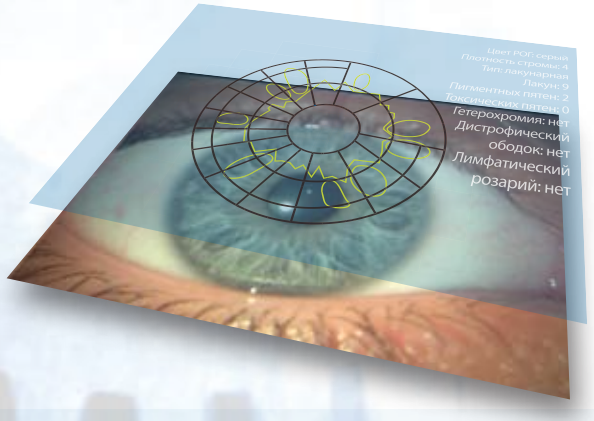
Registration of human iris



Human iris images



Detection of iridoglific phenotype parameters



Function

Technical features

Iridoglific research