



FACIAL RECOGNITION FOR HIGH SPEED ANALYSIS OF VIDEO RECORDINGS

BioFinder

BioFinder is the solution from Herta that makes it possible to search for a specific subject, using facial recognition, in one or various recorded videos. By working with GPU technology, the software manages to process at a high speed rate all the images of the analyzed video.

BioFinder makes it possible to analyze at speeds faster than real time. BioFinder is ideal for forensic analysis or classification of information and, amongst other applications, is used by police forces and intelligence agencies to search for suspects.

FEATURES

- Simultaneous recognition in multiple recordings
- GPU technology that allows for speeds several times higher than real time
- Intensive frame to frame analysis, without omissions
- Supports changes of facial expression, lighting, and presence of glasses, beard, scarves, or hats
- Ability to register people based on one or several images
- Exportable alarms to PDF format

APPLICATIONS

- Forensic analysis on video recordings
- Automatic classification of information in recordings
- Search of suspects in large video databases



TECHNICAL DATA

Type of identification	Facial, over images or video sequences
Performance	Unlimited recognition of faces on every video frame Analysis of up to ten videos simultaneously
Database speed	Matching of a user among 35 million in 1 second
Video capture resolution	Ultra High Definition - 8K videos
Resolution for detection	Faces from 12 pixels interocular distance (IOD)
Resolution for recognition	Faces from 24 pixels IOD, 50 pixels recommended
Resolution for enrollment	Faces from 50 pixels IOD, 75 pixels recommended

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