Arteco Face Recognition

Arteco Face Recognition delivers fast, scalable Face Recognition solutions to meet current and evolving security and safety requirements. Leveraging deep learning and 3D technology, AFR can manage millions of templates, making it scalable to fit a wide range of analytic requirements.

Simple to deploy and manage, Arteco Face Recognition offers the speed, accuracy and reliability necessary to empower today's global organizations to gain more intelligence and awareness.

WIDE RANGE OF APPLICATIONS

Arteco Face Recognition is designed to meet the requirements of several vertical markets, including:

- **Retail** uses including identification of known shoplifters, pre-empting organized crime events, point-of-sale and exception monitoring, marketing strategy analysis, flow analysis and demographic of customers.

- **Campus Security** efforts including traffic flow analysis, loitering and demographic make-up of students and personnel.

- **Critical Infrastructure** use cases include proactive crime monitoring, identifying undocumented individuals and intrusion detection.

- **Logistics & Supply chain** organizations can leverage the application to identify crime events, identify suspected criminals and monitor for intrusion in remote locations.

- **Safe City** use cases include terrorist watch list matching, crowd monitoring, traffic flow analysis and more.
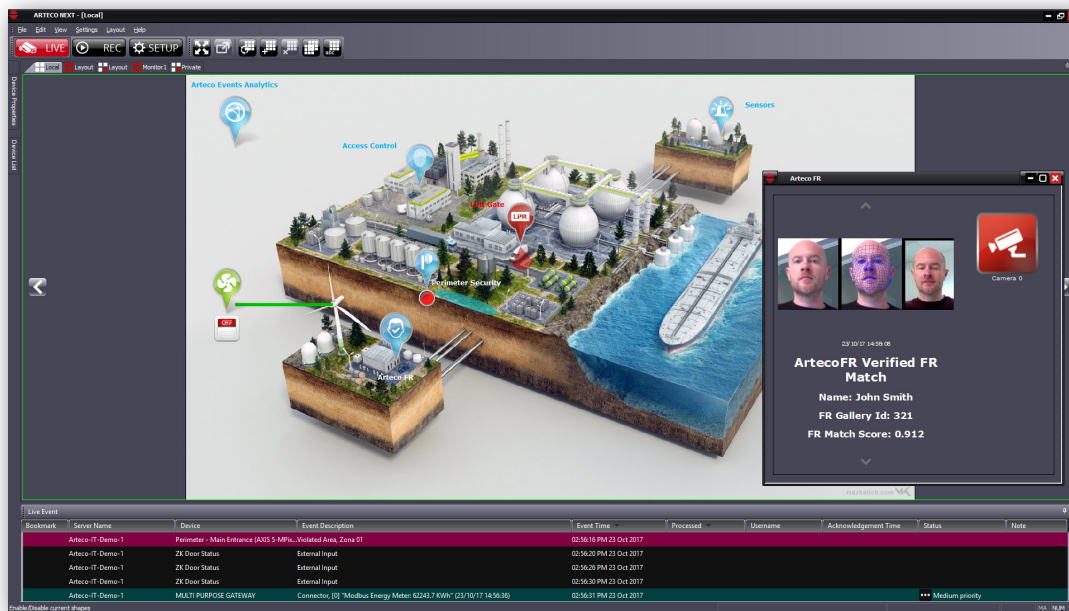
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FEATURES

- Capable of using images and video evidence of varying quality and standards to provide real-time and forensic surveillance solutions
- 2D to 3D pose correction technology and deep neural network deliver unparalleled performance
- Capable to manage millions of templates
- Simple and quick enrolling
- Overcomes the challenges of subject pose, expression, partial facial occlusions and environmental lighting
- 128-byte template size, more than 5X smaller than similar software
- Accuracy as measured by ROC and Rank 1 testing of publicly available data sets: FERET, LFW, IJB-A, FRGC, PaSC, PUT, China Daily, MUCT

Fully integrated into the Arteco NEXT video event management solution, AFR evaluates video from multiple video streams and supports today's most prevalent video formats, allowing to receive comprehensive events about any potential menaces and providing helpful information to your organization.

- Fast: 25 million comparisons per second
- Reliable: 3D matching light, pose, occlusion, motion, crowd or expression
- Scalable: Scales easily and economically with low system & storage requirements

SYSTEM	MINIMUM REQUIREMENTS
Operating system	Any 64-bit Windows OS based system: Win 7, 8, 8.1, 10, Server 2008 R2, Server 2012
Processor	Intel i7 3,0 GHZ or better
RAM	8GB or higher
HDD	250 Gb available disk space
Graphic Card	NVidia GeForce 9600 (or compatible or better) graphics card with 1GB Video RAM or better

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