



## Face identification system



Janus Quest is a key tool for identifying known criminals. The solution saves time in the booking process by helping quickly find an individual's identity. Using this fast and easy process, customers can build a valuable library of images and store image data in the records of individuals booked and held in facilities.

Janus Quest provides a valuable resource for identifying suspects and criminals during the booking, release and investigative processes. Janus Quest helps smooth the investigation process with easy access to identity information, particularly when starting with only a photo or sketch of suspects.



### How it works



Powered by FUJITSU

### Market applications

- | Criminal investigations
- | Military activities
- | Secret services activities

## Janus Quest Technical Specifications

Platforms Supported	Microsoft Windows XP, Microsoft Windows Server 2003
Input Formats	JPEG, BMP, GIF
Image Resolution	Minimum of 640x480 resolution
Database	Janus Quest is database independent and supports an unlimited number of records
Speed	50-300 milliseconds depending on scene complexity One-to-one matching: <1 second One-to-many matching: Comparison rates up to millions per minute depending on hardware
Motion	-
Pose	Technology works optimally when matching frontal images. Face-finding detects faces as long as both eyes are visible. Recognition is not significantly affected by variations in pose up to 15 degrees. From 15 to 35 degrees there is a slight loss in matching ability. Beyond 35 degrees more significant loss of matching may occur
Race and Gender	Performs well on all races and both genders
Robustness to Variability	The algorithm focuses on the inner region of the face and had built-in mechanisms that compensate for natural variability in the face. The result is an engine that is robust with respect to changes in lighting conditions, expression, facial hair, and hairstyle
Eyeglasses	Explicitly designed to match faces with or without eyeglasses, as long as the eyes are visible and not occluded by glare
Lighting	Optimal performance is obtained in diffuse ambient lighting, where the face is evenly illuminated, without shadows or glare. Gain control on cameras can be used to compensate for back-lighting of the face, but cameras can be tricked by excessively bright or dark backgrounds into producing images with overly dark or light faces. An evenness of the lighting in the field of view produces the best results most easily
Background	Finds the faces in an image against any background, plain or cluttered. Recognition performance uses only features on the face, so it is unaffected by the background once the face is successfully located



[www.janussuite.com](http://www.janussuite.com)

[janussuite@sisgeinformatica.it](mailto:janussuite@sisgeinformatica.it)

This document is for informational purposes only.

SISGE INFORMATICA MAKES NO WARRANTIES, EXPRESS OR IMPLIED, FOR THE INFORMATION EXPRESSED IN THIS SUMMARY.

(2011) Sisge Informatica S.r.l. All rights reserved.

All trademarks are property of their respective owners.