

IDentity-1

Iris Scanner

VIDEOLOGY®

IMAGING SOLUTIONS INC.
Original Equipment Manufacturer



Modularity

Upgradability

Videology's iris scanner IDentity-1 is a 5 Megapixel USB 3.0 iris acquisition solution, which delivers ISO/IEC 19794-6 iris compliant images to the host PC for iris enrollment and matching.

IDentity-1 offers the flexibility of a UVC based API for the host PC application to communicate with the iris scanner. IDentity-1 can be integrated with any biometric software for iris enrollment and matching. Furthermore, the iris camera module itself can be easily integrated as an OEM component into a larger identity authentication system.

IDentity-1 can be combined with our PhotoID cameras for a modular identity solution for both face and iris recognition.

IDentity-1 is designed and manufactured in the USA at our Greenville, RI facility. Our range of image acquisition products serves several market segments in Government Security, Medical Equipment, Banking, Industrial and Photo ID.

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All data subject to change without notice.

Videology® Imaging Solutions, Inc.

37M Lark Industrial Parkway
Greenville, Rhode Island 02828 USA
Tel: +1 (401) 949 - 5332 Fax: +1 (401) 949 - 5276
Americas, Middle East, Far East & Australia sales: sales@videologyinc.com



SGS www.videologyinc.com

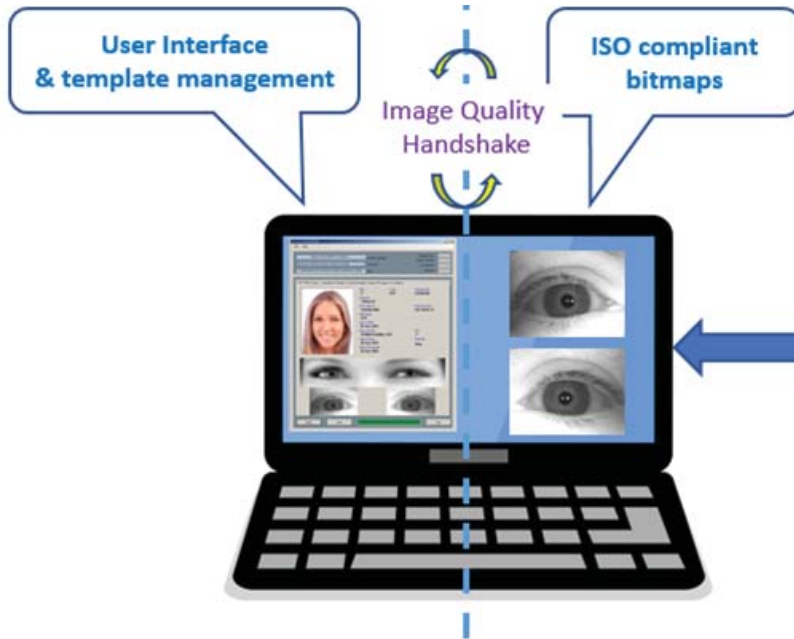
Videology® Imaging Solutions, Europe B.V.

Neutronenlaan 4
5405 NH Uden, The Netherlands
Tel: +31 (0) 413-256261 Fax: +31 (0) 413-251712
Europe & N. Eurasia sales: info@videology.nl
www.videology.nl

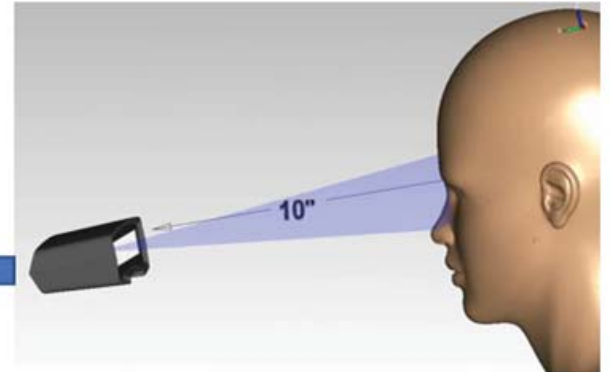
Integration Process Overview:

Customer:

(National Security, Immigration, Public Safety, Access Control, Transportation, etc...)



Videology:



Iris Scanner Specifications

- ISO/IEC 19794-6:2011 standard compliant images
- Dual iris capture takes ~2 seconds to deliver 8-bit bitmaps ready for enrollment
- Operating Range = 300 +/- 5 mm
- 810nm IR light source with dual band IR wavelength capability
- Resolution = 60% @ 4Lp/mm, ≥ 16px/mm
- Power Input = 5VDC, Power Consumption = 4.25W
- PC Interface = USB 3.0
- Product Package: Fully enclosed Iris Camera or OEM Iris camera module
- Iris images can be used with any biometric SDK for enrollment and matching

API & Sample Source Code

Videology provides a Windows based API and sample code in C++ to perform iris image capture.

We provide the necessary steps to integrate our scanner with a 3rd party iris biometric SDK. A runtime application based on the iData SDK is available for evaluation of iris enrollment, quality assessment and matching.

Minimum PC requirements

- Windows based PC (Windows 7)
- Windows 7 64-bit / Windows 10 64-bit
- iCore i5 or equivalent
- 8GB RAM
- Microsoft .NET Framework ver. 3.5
- Dedicated USB3.0 port