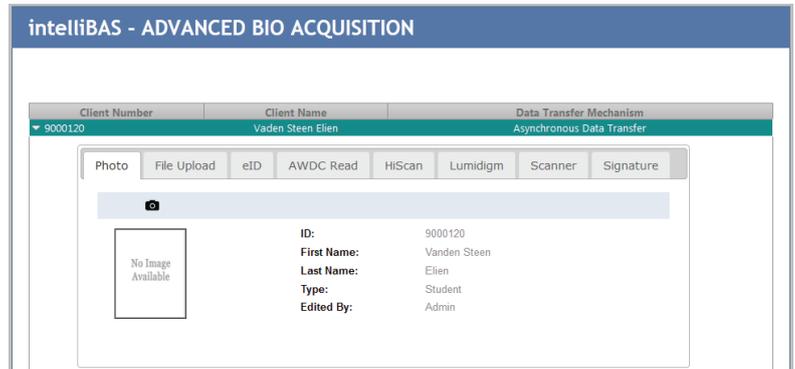


The IntelliBAS, abbreviated BAS-Component, is an intelligent Windows Web Component that offers a website the service to easily address and access local resources (hardware, files, applications, ...) from the website.

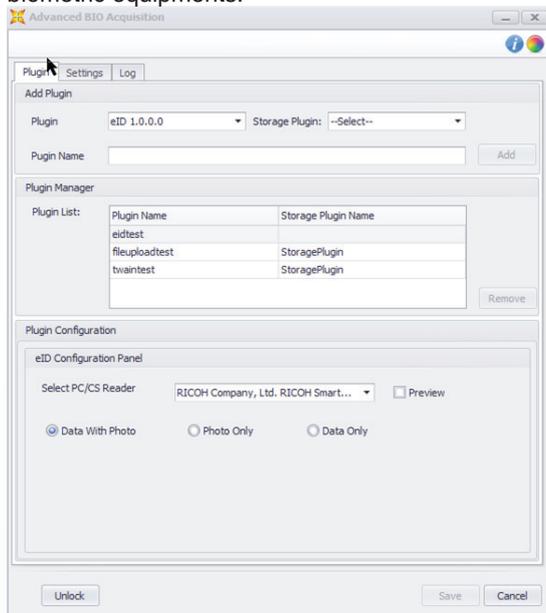
The IntelliBAS solution can use various ways of data input. Using this service you can either enter the necessary data manually, or use sophisticated biodevice plugins to automatically collect the data from a document and/or person. IntelliBAS is capable of transferring result biometric data in many different possibilities.

IntelliBAS is answer to the high end, high speed bio acquisition task. By using the standard interface we are able to offer this application to any organisation wishing to use biometric equipment with their websites or other web interfaces.

IntelliBAS incorporates a highly accurate and secure biometric data transfer. IntelliBAS uses many approaches for transferring the biometric data to the destination. And it supports multiple biometric equipments.



Syx-Graphics ID Solutions introduces the IntelliBAS solution who can use various ways of data input. Using this service you can either enter the necessary data manually, or use sophisticated biodevice plugins to automatically collect the data from a document and/or person. IntelliBAS is capable of transferring result biometric data in many different possibilities.



Extensive tests have proven the biometric data transfer speed and safety in multiple ways. In some cases it is also possible to transfer data safely in absence of any web service.

With this innovative way of using biometric equipment to get data for any specific person, you can save your time with increased capturing efficiency in addition to much better. Hence, using IntelliBAS will help you save biometric data on remote server in quick time.

A system is always a set of elements and composition. Similarly IntelliBAS is also composed with three different components:

IntelliBAS Host

This is the host application which should be installed on the windows client. This application operates as a black-box and is the link between the website, the device plugins and the storage plugins.

Device Plugin

A device plugin contains the (business) logic to access / address the resource through the website. A device plugin will ensure that all features / functionalities of the coupled resource are accessed or could be addressed via the web.

Storage Plugin

A storage plugin is the link between the BAS host and the website and in most cases a Storage Plugin contains the Web Service login. If no plugin is used, acquired data will be returned to the website via POST method.

Fingerscan

Fingerprint recognition is nowadays the basic task of the Integrated Automated Fingerprint Identification Service (IAFIS) of the most famous police agencies. Ten-print based identification and latent fingerprint recognition are the two main concerns of an IAFIS. In case of Ten-print identification, the system should identify a person by the whole sequence of his/her ten fingerprints, in case of latent fingerprint the system has to identify a person through a fingerprint found on a crime scene. Technology advances in the 1980s in the areas of personal computing and optical scanners triggered non-forensic applications of fingerprint recognition methods. The enormous interest roused by electronic commerce on Internet and, more in general, by the need of reliable techniques for authenticating the identity of a living person in a broad range of applications has greatly intensified the research efforts towards the development of low cost small-size fingerprint-based biometric systems.



This IntelliBAS-plugin allows users to select the number of fingerprints and acceptance quality of the fingers.

It lets the user to select the finger type as primary or secondary.

This IntelliBAS-plugin supports the HiScan type of Biometrika scanners and the Venus type of Lumidigm scanners.

Features:

- Enrollment Mode - Enrollment of one or more fingers.
- Verification Mode - Verification of fingerprint-based template.
- Support for "Latent fingerprints" detection (if supported by the reader)
- Support for the SAGEM template.
- Support for the ANSI378 Default template.
- Definition of the number of finger print recording attempts, quality and minimum verification score.
- Result as template and / or Image Mode for enrollment and verification score for Verification Mode.



Transfer modes

IntelliBAS has different ways to transfer data to the web server from where the plugin call was made. They are described as follows.

With Storage Plugin

BioDevice Storage plugin is used to transfer data in this approach. Generally it is a .NET assembly (DLL) is used mostly to refer web service. They are designed in such a way that they can be used in two modes:

- Synchronous Transfer
- Asynchronous Transfer

Bypass Storage Plugin

The use of Web Services on the World Wide Web is expanding rapidly as the need for application-to-application communication and interoperability grows.

- With Web-Service
- Without Web-Service