Facial Recognition FAQ

**Q:** In the addPerson method, what is the faceIndex?

**A:** When the application calls getFaceData, the face engine will assign each face detected in the processed frame, an index value, which corresponds to the index value in the face data array returned by the getFaceData method.

The faceIndex is only valid until the next setFrame or setBitmap call is executed.

**Q:** What is the difference between a personId and a faceIndex in the updatePerson method?

**A:** The personId is a unique identifying number assigned to each person added to the recognition album. The faceIndex is the array index of the face data array. The faceIndex is used to add face data to the recognition album when updating or adding a person.

**Q:** How is the recognition album trained?

**A:** The album is trained by adding additional face data to the recognition album for a specific person. The recognition album allows the application to input up to ten faces for each person in the album. A broad spectrum of samples under different lighting levels will yield a higher percentage of matches for a given person.

**Q:** What doe setRecognitionConfidence do and what value should it be set to?

**A:**This method tells the face engine to ignore any face data matches with a confidence value below the set threshold. The value that should be set will depend on how well trained the recognition album is for a particular face.

**Q:** Why are getPersonId and getRecognitionConfidence returning FP\_PERSON\_NOT\_REGISTERED (-111)?

**A:** This result is returned when the comparison of the face data in the current frame or image does not match any face data in the recognition album with a confidence value that is greater than or equal to the value input through setRecognitionConfidence method.

**Q:** Why does the addPerson method return FP\_FACE\_EXISTS\_ERROR(-3)?

**A:** The addPerson method will return this error code if the face data for the corresponding faceIndex matches an existing set of face data in the recognition album. Adding face data that matches existing face data in the recognition album is appropriate for training the album and the application should use the updatePerson method instead of addPerson.

**Q:** What does serializeRecognitionalbum do and why do I need to use this method?

**A:**