

# API

Our fully-documented API makes it easy to get started with visage|SDK and develop your own projects. Different APIs are available for different platforms, and they include the following main functionalities:

- Facial feature tracking
- Facial feature detection
- Face analysis
- Face recognition

The [API Reference page](#)\* provides an overview of the APIs for different platforms, including links to the most important classes, and sample projects demonstrating particular functions.



\*Access to some areas of the documentation may be restricted and require a login. To view them, please contact your sales representative or [fill out our contact form](#).

## Content

|                          |  |    |  |  |  |  |  |  |
|--------------------------|-----------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                          | C++                                                                               | C# | C++                                                                               | C++                                                                               | C++                                                                               | Javascript                                                                        | C++                                                                                 | C++                                                                                 |
| Facial Feature Tracking  |                                                                                   |    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| > VisageTracker          |                                                                                   |    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| > FaceData               |                                                                                   |    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| > VisageConfiguration    |                                                                                   |    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| > VisageGazeTracker      |                                                                                   |    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Facial Feature Detection |                                                                                   |    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| > VisageFeatureDetector  |                                                                                   |    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| > FaceData               |                                                                                   |    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Face Analysis            |                                                                                   |    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| > VisageFaceAnalyser     |                                                                                   |    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| > FaceData               |                                                                                   |    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |

|                                              |  |  |  |  |  |  |  |  |
|----------------------------------------------|--|--|--|--|--|--|--|--|
| ><br>Analy<br>sisDa<br>ta                    |  |  |  |  |  |  |  |  |
| <b>Face<br/>Reco<br/>gniti<br/>on</b>        |  |  |  |  |  |  |  |  |
| ><br>Visag<br>eFac<br>eRec<br>ogniti<br>on   |  |  |  |  |  |  |  |  |
| ><br>Face<br>Data                            |  |  |  |  |  |  |  |  |
| <b>Liven<br/>ess</b>                         |  |  |  |  |  |  |  |  |
| ><br>Visag<br>eLive<br>ness<br>Action        |  |  |  |  |  |  |  |  |
| ><br>Visag<br>eLive<br>ness<br>Blink         |  |  |  |  |  |  |  |  |
| ><br>Visag<br>eLive<br>ness<br>Smile         |  |  |  |  |  |  |  |  |
| ><br>Visag<br>eLive<br>ness<br>Brow<br>Raise |  |  |  |  |  |  |  |  |
| <b>Class<br/>Refer<br/>ence</b>              |  |  |  |  |  |  |  |  |