

CHOREGRAPHE

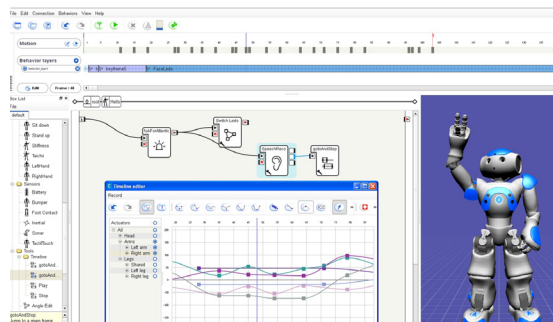





PRESENTATION

Our user-friendly software Choregraphe enables users to easily program NAO. With Choregraphe and its flow diagram, you can explore event-based, sequential or parallel programming using a pre-programmed set of behavior boxes. Its timeline lets users program with a time scheduled logic. Pre-programmed behavior boxes are easily configurable, but you can also create your own, using the Curve Editor to edit movements, or writing them in Python script.

Combining these three approaches opens huge possibilities to program NAO, with or without entering the complexity of code.

Thanks to an ergonomic interfacing with the robot, executing behaviors on Nao developed within Choregraphe on Nao is just one click away.



OS SUPPORTED	Windows XP, Mac OS X, Linux Ubuntu   
PROGRAMMING LANGUAGE	None needed. Compatible with Python 2.6.4 and URBI
FEATURES	Set of pre-programmed behaviors and boxes, Flow Diagram, Curve Editor, Timeline, Customizable 3D View, Movement recording capacities, Powerful debugging tools, Script editor...

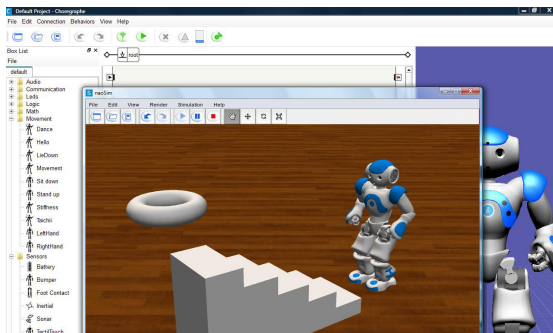
NAOSIM (BY COGMATION ROBOTICS)



PRESENTATION

Our simulator NaoSim, powered by our partner Cogmation Robotics, enables users to test their algorithms in a virtual world governed by real physics. The environment can be modified at will by users who can insert and edit objects of various shapes and weights into the simulated environment.

NaoSim is the perfect software to accompany our users' research: interfaced with Choregraphe and Monitor, it is a safe place to test behaviors before playing them on Nao in a real environment.



OS SUPPORTED	Windows XP, Mac OS X, Wine/Linux   
FEATURES	Real physics engine, Objects and Environment editor, Interfacing with Choregraphe, Monitor and SDK

DOCUMENTATION

PRESENTATION

Up-to-date documentation is given to the customer:

- It is adapted to every usage and level.
- It guides step-by-step the customer into progressively handling and mastering programming on NAO.
- It is in constant evolution.
- It is ergonomic: there is a search motor and appropriate categories.



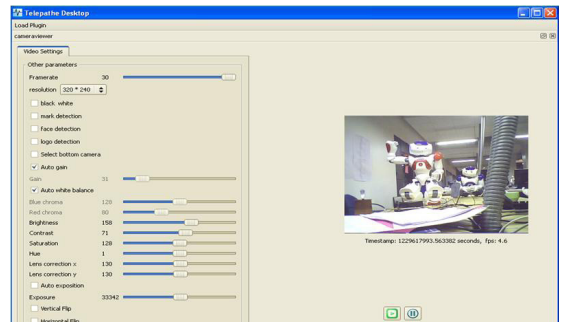
MONITOR






PRESENTATION

Monitor is a desktop application that gives users a feedback of what NAO is seeing and feeling. With the Camera Module, you will receive data from the camera you have chosen. With the Memory module, you will have access to data from the robot's sensors, in an ergonomic way.

Monitor also gives users the possibility to test vision algorithms on recorded excerpts.



OS SUPPORTED	Windows XP, Mac OS X, Linux Ubuntu   
FEATURES	Data Feedbacks from Robot Sensors and Camera

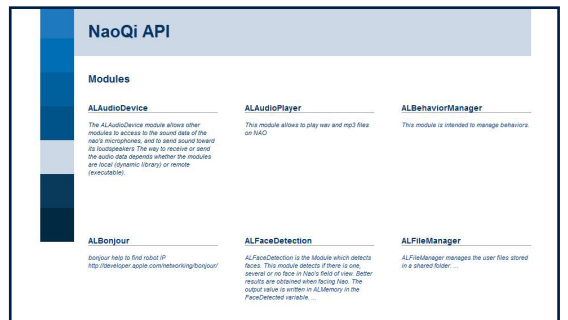
SDK



PRESENTATION

Our ergonomic and well documented SDK enables you to embed modules you have created into your robot and to use them, in order to create elaborate behaviors for NAO. The SDK for NAO comes with the appropriate compilation and debugging tools.

Our cross-platform SDK is also compatible with many robotic development platforms and languages, such as URBI, developed by Gostai, or .Net and the Microsoft Robotics Studio.



OS SUPPORTED	Windows XP, Mac OS X, Linux Ubuntu   
PROGRAMMING LANGUAGE	C++, Python, URBI, .NET
FEATURES	Cross-Compiling tools, Documentation, Code Examples, Multiple APIs

With our large product line, we provide you with a tailor-made offer adapted to your needs and budget constraints.



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