

NCAP LIBRARY










Engineers working in the automotive industry face a number of challenges when it comes to testing and certification of active safety systems. However, a new library subscription is now available that simplifies the process of configuring NCAP ADAS tests on the proving ground.

Addressing the need for safe autonomous vehicles and assisted driving systems, NCAP has continuously added new tests to their portfolio for active safety. To cover realistic traffic situations, the tests also increased in complexity, like for instance using an EMT (EuroNCAP Motorcyclist Target) in the AEB/LSS VRU protocol.

With the Humanetics NCAP library, engineers can quickly and easily set up test scenarios, saving time and reducing the risk of errors. By streamlining the testing process, the NCAP library is helping to ensure that active safety systems are thoroughly and accurately evaluated, ultimately leading to safer vehicles for all.

Due to the subscription model, the Humanetics NCAP Library is always up-to-date and in addition to its over 500 included test scenarios, constantly expanding with different scenarios, speeds and variations. All NCAP required scenarios can be carried out by Humanetics UFOs and DrivingRobots.

Key Features

-  Easy configuration of NCAP ADAS scenarios with a few clicks
-  Over 500 different test scenarios included
-  Erasing possible human error
-  Facilitating manual configuration process
-  User defined VUT acceleration and deceleration
-  Library always up to date due to subscription model
-  User defined VUT constant speed phase to fit proving grounds
-  Works best AVL ADAS Analyzer
-  Scenarios can be executed by Humanetics robots

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UFOpro

The UFOpro is approved by EuroNCAP for the usage with the Global Vehicle Target (GVT) for ADAS testing. With a great degree of flexibility the target carrier has optional add-ons such as the Arrow Ramp, which can be swapped with the standard front ramp for side impact tests, and the VRU Kit, a mounting platform for linear trajectory tests with pedestrian and bicycle dummies.

UFOmicro

The UFOmicro is now approved for usage with the European Motorcycle Target (EMT) and also for the Adult, Child and Bicyclist Target, using the VRU extension. The UFOmicro is a great fit for all vulnerable road users (VRU), and due to its speed of up to 90km/h, also for PTW testing beyond the Euro NCAP requirements.

UFOnano

The UFOnano is specifically designed for VRU testing and the smallest platform robot for these tests listed in TB029. As well as the only one that has the ability to turn on spot. This allows the small, handy, state-of-the-art nano robot to replace the previous rope pulling systems offering realistic 2D maneuvers for realistic pedestrian behavior.

