



I N P H Y S I C S W E T R U S T

## 4activeMC (CNCAP E-Scooter)

The approved E-scooter target for C NCAP 2021 ADAS tests

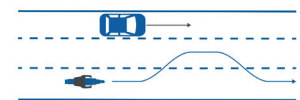
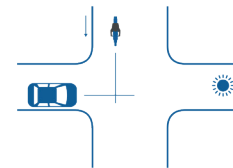
- ✓ corresponding to category L3e-A1 as applied by UNECE
- ✓ realistic properties in size, shape and microdoppler features
- ✓ complies with ISO/PWI 19206-5, CNCAP 2021

Allows testing under rough conditions

- ✓ extremely light and soft structure to prevent damage on VUT
- ✓ robust and modular system – easy and fast change of spare parts
- ✓ realistic response for Radar-, Lidar, Camera and IR-Systems

Additional optional features

- ✓ synchronized movement features
- ✓ side leaning features
- ✓ active lighting



# 4activeMC

## Performance

mono/ stereo camera system, Lidar sensors	✓
360° - Radar characteristic	✓
micro-Doppler spread	✓
near infrared / far infrared★	✓
crash speed lateral / longitudinal	up to 60 km/h / up to 40 km/h
operation speed	60 km/h

★ optional

## Dimensions motorbike

seat height	760 mm
wheel base	1210 mm
total width	540 mm
wheel diameter	400 mm
weight	< 13,5kg

## Dimensions biker

height (body)	1650 mm ± 20
width (shoulder)	450 mm ± 20
depth (torso)	200 mm ± 20
weight	< 4 kg

## Key features

- ✓ compatible with 4activeFB-small
- ✓ extremely light and soft structure
- ✓ robust and modular system
- ✓ synchronized movement features

