



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

## 4activeBS

### The official Euro NCAP bicyclist target (EBT)

- ✓ standard average european utility bike – average male
- ✓ realistic properties in size, shape and rotating wheels
- ✓ complies with ISO 19206-4, Euro NCAP, UN-ECE, ...

### Allows testing under rough conditions

- ✓ extreme lightweight 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

### Available options

- ✓ bike for 7-year-old child
- ✓ different frame colours
- ✓ synchronized articulation (pedalling, arm signs, ...)



# 4activeBS

## Performance

mono/stereo camera system, Lidar sensors	✓
360° - Radar characteristic	✓
micro-Doppler spread	✓
near infrared / far infrared★	✓
ultra-sonic	✓
crash speed lateral / longitudinal	up to 60 km/h / up to 45 km/h
operation speed	up to 35 km/h

★ optional

## Dimensions bike

handlebar height	1200 mm
diameter wheels	700 mm
wheel base	1230 mm
weight	6 kg

## Dimensions bicyclist

body height	1800 mm
shoulder width	500 mm
torso angle	10°
weight	< 4 kg

## Key features

- ✓ compatible with 4activeSB, 4activeFB-small
- ✓ rotating wheels - permanent contact to ground
- ✓ foldable bike - easy transportation and storage
- ✓ extreme lightweight and soft structure