



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

## 4activeBS-adult

### 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

- ✓ 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

### Available options

- ✓ heated bicyclist target – 4activeHT
- ✓ different frame colours
- ✓ synchronized articulation (pedalling, arm signs, ...)



# 4activeBS-adult

## 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, 4activeFB-eco
- ✓ rotating wheels - permanent contact to ground
- ✓ foldable bike - easy transportation and storage
- ✓ extremely light and soft structure

