



Reward 2014

## BMW Pedestrian Warning with City Brake Activation



BMW's Pedestrian Warning with City Brake Activation is a system intended to warn the driver and prompt him or her to intervene if there is imminent danger of a collision with a pedestrian. The system is controlled via the camera in the base of the rear-view mirror. It issues a warning from speeds of 10 km/h up to 60 km/h when a collision with pedestrian is imminent and simultaneously preconditions the brakes for a faster response in case the driver applies them. As a final measure, the car will autonomously apply the brakes shortly before the collision in case the driver does not respond to the warning given.

### What is the safety benefit?

BMW's Pedestrian Warning with City Brake Activation system is a technology designed to help avoid or mitigate pedestrian accidents at lower speeds. To quantify the safety benefit, BMW identified that 20-30% of all serious accidents within city environment involve vulnerable road users. Taking into account the system specifications of the Pedestrian Warning with City Brake Activation system, around 10% of these accidents could potentially be avoided with the autonomous brake function alone. The expected benefit increases when the driver reacts to the warning in due time.



## How has the system been assessed?

BMW has tested the system extensively during its development on test tracks and real life situations. A large number of simulations have been carried out to identify the benefit of the system using different driver/pedestrian models. In addition, an independent Euro NCAP laboratory tested the system and verified that it performed as claimed by BMW.




## What are the limitations?

The system is ON by default at the start of every journey, but can manually be switched off when the driver wishes to do so. The system performance is limited in darkness and other weather conditions where the visibility of the camera is reduced. The autonomous Brake function of the system will only initiate Brake when the pedestrian is within the collision path of the vehicle.

## Availability

BMW's Pedestrian Warning with City Brake Activation system is rewarded for its availability on the BMW i3, BMW 2-series and the Mini One, on which it is offered as an option. The availability of optional equipment may vary from country to country. In some countries, optional safety equipment may be available only when combined with other features as part of a package, and may not be offered on all variants. You should check with your dealer to see if the system is available to you.

## Cars rewarded for BMW Pedestrian Warning with City Brake Activation by Euro NCAP Advanced:

	BMW 2 Series Active Tourer	2014 ★★★★★
	Mini Cooper	2014 ★★★★★
	BMW i3	2013 ★★★★★☆