



**BMW 3 Series**  
Driving Assistant Professional

2020



**VERY GOOD**



ASSISTANCE  
COMPETENCE



82%

SAFETY  
BACKUP



90%

## SPECIFICATION

SYSTEM NAME	Driving Assistant Professional
STANDARD ACTIVE SAFETY SYSTEMS	
AEB Car-to-Car	●
AEB Vulnerable Road User	●
Lane Support Systems	●
Speed Assistance Systems	●
ALSO AVAILABLE ON	5 Series - 6 Series - 7 Series - 8 Series - X5 - X6 - X7

### Comments

BMW's appropriately named **Driving Assistant Professional** accurately portrays system functionality. The promotional material and the handbook correctly indicate the limitations of the system capabilities. Status information is clear, and the 3-Series offers a head-up display showing the system status in the driver's direct line of sight. BMW equipped the 3-Series with an internal camera but it is not used for the functionality tested in Driver Monitoring, and relies only on steering wheel input. The system balances driver steering input with lane guidance, promoting co-operative driving.

BMW combines map-based speed limit information with real time camera inputs to manage fixed, variable and temporary speed limit signs. The system adapts speed for upcoming road features such as curves and junctions. The 3-Series responds to avoid a collision in most of the ACC test scenarios and requires AEB interventions in the more critical stopped vehicle, cut-in and cut-out tests. The driver is supported through the S-Bend, staying within the lane at all test speeds. The vehicle has an Active Blindspot system designed to prevent lane changing into adjacent vehicles. A lane-change assist function is not available. In case of an unresponsive driver, the BMW performs a controlled stop in lane. If the radar or camera are blocked the 3-Series provides a timely warning and prevents system activation.

**The BMW 3-Series excels in the level of Vehicle Assistance with a similar level of Driver Engagement resulting in a high-performing, balanced system. Euro NCAP tested the latest version of Driving Assistant Professional available at the time of testing. BMW can improve the functionality of the system remotely by over-the-air software updates.**

**ASSISTANCE COMPETENCE**

Total 82%

**DRIVER ENGAGEMENT**

83.0 / 100 PTS

**CONSUMER INFORMATION** 25.0 / 25 Pts

SYSTEM NAME	Driving Assistant Professional
MARKETING MATERIAL	Driving Assistant Professional   BMW Viewed 12 September 2020
QUICK START GUIDE	
VEHICLE HANDBOOK	Viewed 12 September 2020

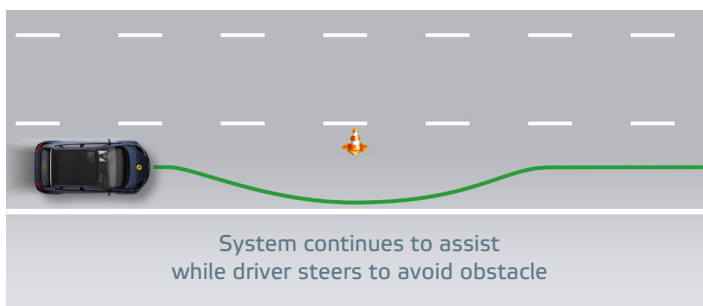
**SYSTEM STATUS** 25.0 / 25 Pts

Continuous System Status Indicator	
System Status Change Indicator	

**DRIVER MONITORING** 10.0 / 25 Pts

**DRIVING COLLABORATION** 23.0 / 25 Pts

Steering to avoid an obstacle



GOOD
  ADEQUATE
  MARGINAL
  WEAK
  POOR

**ASSISTANCE COMPETENCE**

Total 82%

**VEHICLE ASSISTANCE**

82.4 / 100 PTS

**SPEED ASSISTANCE**



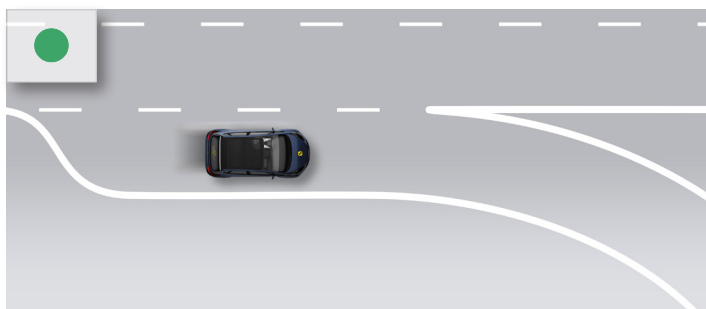
21.5 / 25 Pts

SPEED ASSIST SYSTEMS

Vehicle response to fixed Speed limits	At speed at sign
Vehicle response to variable Speed limits	Start slowing down after sign

ROAD FEATURES

Speed adaptation for corners



Speed adaptation for roundabouts



Speed adaptation for junctions



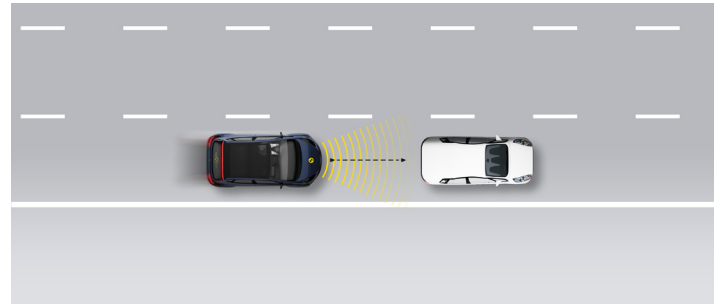
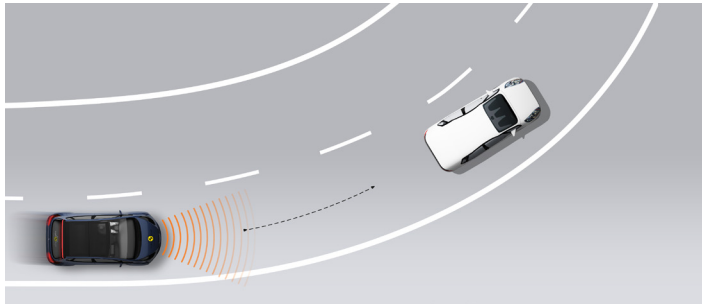
FITTED TO THE VEHICLE    NOT AVAILABLE

**ASSISTANCE COMPETENCE**

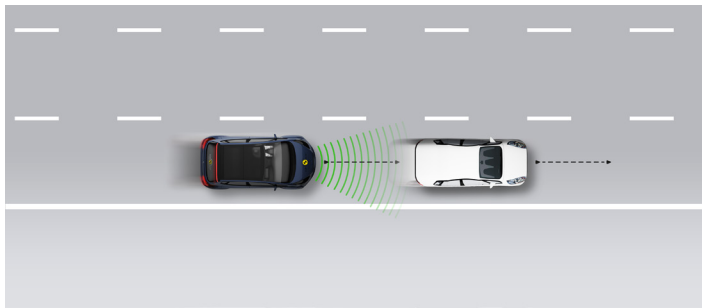
Total 82%

ADAPTIVE CRUISE CONTROL PERFORMANCE 30.9 / 40 Pts

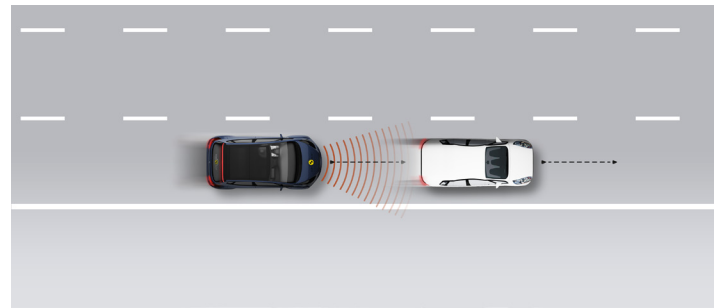
Approaching a stationary car



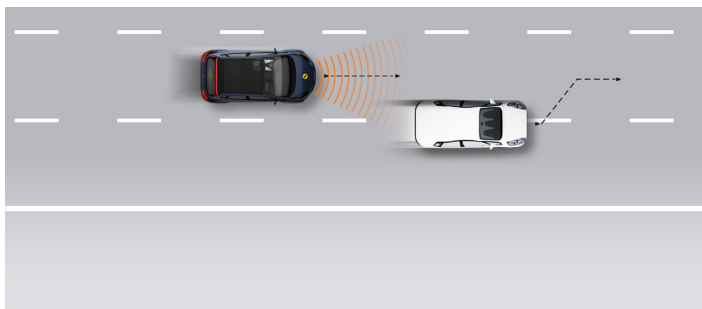
Approaching a slower moving car



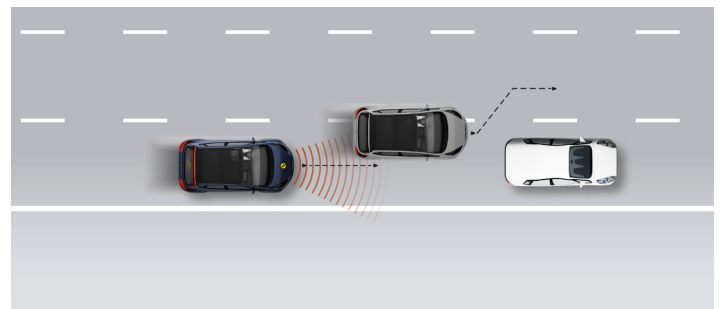
Approaching a braking car



Car cutting-in in front



Car cutting-out in front



UNDERTAKE PREVENTION	
Undertake prevention at speeds over 90 km/h	●

ADAPTIVE CRUISE CONTROL AUTO-RESUME	
Assistance maintained after coming to a full stop	●
System assistance maintained by	Automatic resume with eyes on to confirm engagement

**ASSISTANCE COMPETENCE**

Total 82%

**STEERING ASSISTANCE** 30.0 / 35 Pts

Steering in an S-curve



80 km/h	●
100 km/h	●
120 km/h	●
Lane Change Assist	✘

**SAFETY BACKUP**

Total 90%

**SYSTEM FAILURE** 25.0 / 25 Pts

	ENGAGEMENT	WARNING
<b>SENSOR BLOCKED AT START-UP</b>		
Camera	System can NOT be engaged after a 5 minute drive	Visual Warning within 5 minutes after sensor blocking
Radar	System can NOT be engaged after a 5 minute drive	Visual Warning within 5 minutes after sensor blocking
<b>SENSOR BLOCKED WITH VEHICLE IN MOTION, SYSTEM INACTIVE</b>		
Camera	System can NOT be engaged after a 5 minute drive	Visual Warning within 5 minutes after sensor blocking
Radar	System can NOT be engaged after a 5 minute drive	Visual Warning within 5 minutes after sensor blocking
<b>SENSOR BLOCKED WITH VEHICLE IN MOTION, SYSTEM ACTIVE</b>		
Camera	System cancels within 2 minutes after blocking	Visual Warning within 5 minutes after sensor blocking
Radar	System cancels after sensor blocking	Visual Warning within 5 minutes after sensor blocking

**UNRESPONSIVE DRIVER INTERVENTION** 20.0 / 25 Pts

Hands Off Warning Timeline

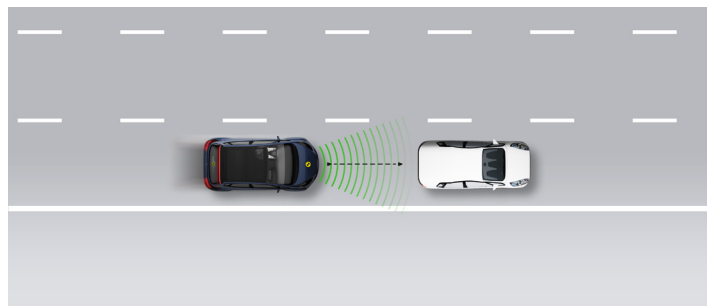
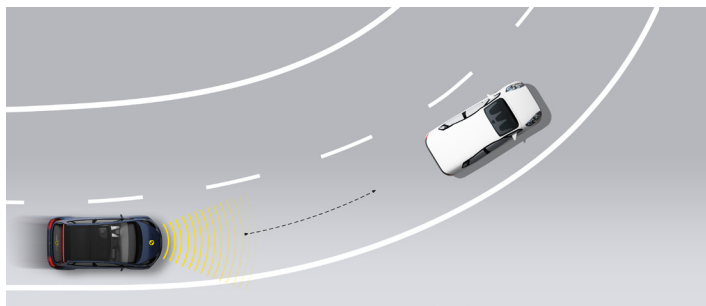


 SAFETY BACKUP

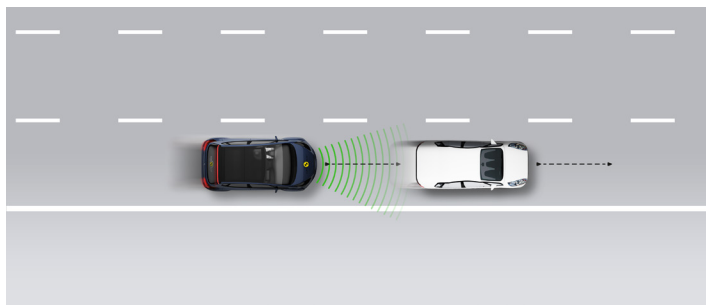
Total 90%

COLLISION AVOIDANCE  45.0 / 50 Pts

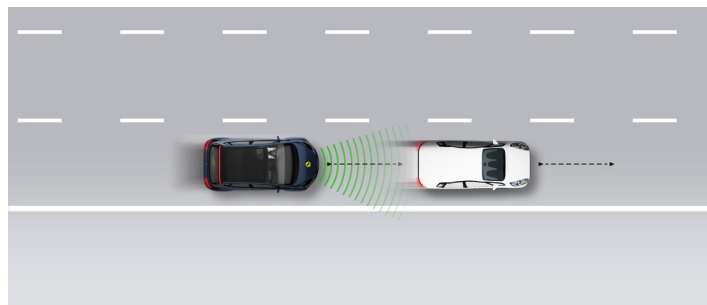
Approaching a stationary car



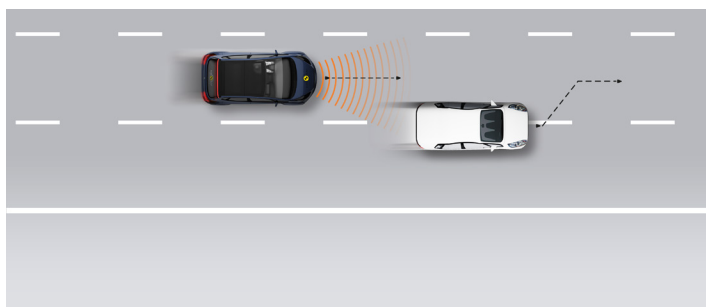
Approaching a slower moving car



Approaching a braking car



Car cutting-in in front



Car cutting-out in front

