



BMW iX3
Driving Assistant Professional

2021

VERY GOOD



ASSISTANCE
COMPETENCE



83%

SAFETY
BACKUP



86%

SPECIFICATION

SYSTEM NAME	Driving Assistant Professional
STANDARD ACTIVE SAFETY SYSTEMS	
AEB Car-to-Car	●
AEB Vulnerable Road User	●
Lane Support Systems	●
Speed Assistance Systems	●

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 iX3 offers a head-up display showing the system status in the driver's direct line of sight. BMW equipped the iX3 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 iX3 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 but the highest test speed. 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 iX3 provides a timely warning and prevents system activation.

The BMW iX3 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 83%

DRIVER ENGAGEMENT

85.0 / 100 PTS

CONSUMER INFORMATION 25.0 / 25 Pts

SYSTEM NAME	Driving Assistant Professional
MARKETING MATERIAL	Driving Assistant Professional BMW Viewed 12 November 2021
QUICK START GUIDE	
VEHICLE HANDBOOK	Viewed 12 November 2021

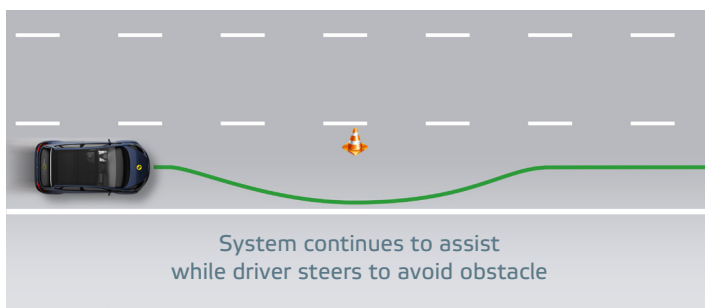
SYSTEM STATUS 25.0 / 25 Pts

Continuous System Status Indicator	
System Status Change Indicator	

DRIVER MONITORING 10.0 / 25 Pts

DRIVING COLLABORATION 25.0 / 25 Pts

Steering to avoid an obstacle



GOOD
 ADEQUATE
 MARGINAL
 WEAK
 POOR

ASSISTANCE COMPETENCE

Total 83%

VEHICLE ASSISTANCE

83.8 / 100 PTS

SPEED ASSISTANCE

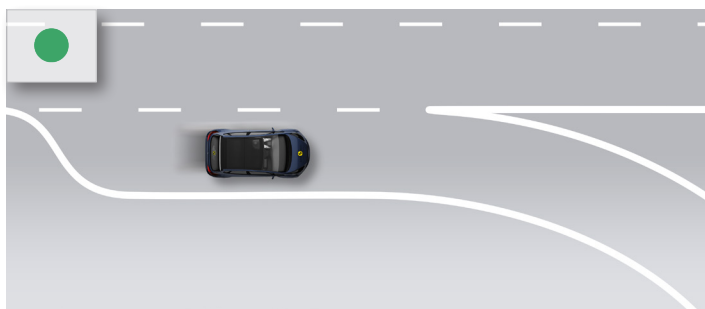
■ 21.5 / 25 Pts

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



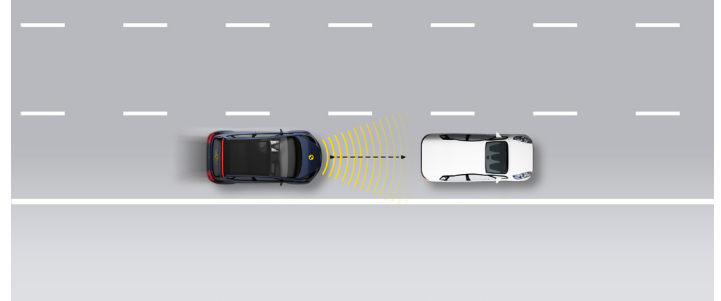
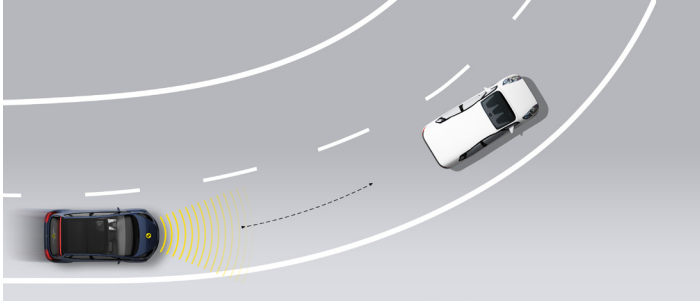
● FITTED TO THE VEHICLE **—** NOT AVAILABLE

ASSISTANCE COMPETENCE

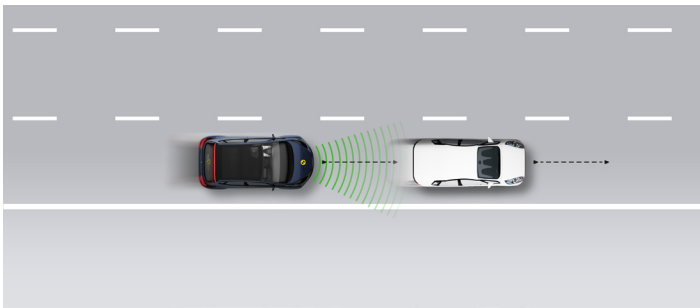
Total 83%

ADAPTIVE CRUISE CONTROL PERFORMANCE 34.8 / 40 Pts

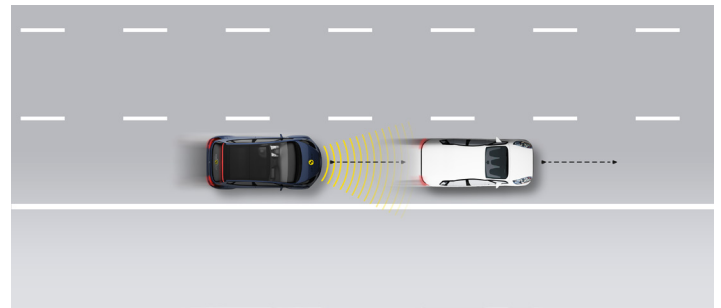
Approaching a stationary car



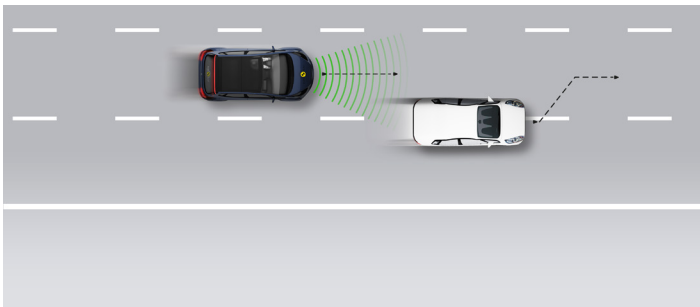
Approaching a slower moving car



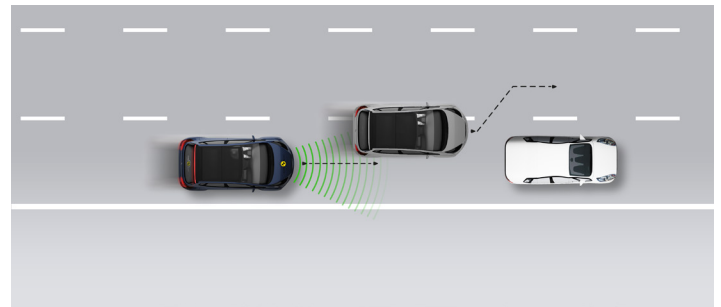
Approaching a braking car



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 within 5s of stop and driver input required over 5s

ASSISTANCE COMPETENCE

Total 83%

STEERING ASSISTANCE 27.5 / 35 Pts

Steering in an S-curve



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

SAFETY BACKUP

Total 86%

SYSTEM FAILURE 25.0 / 25 Pts

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

UNRESPONSIVE DRIVER INTERVENTION 20.0 / 25 Pts

Hands Off Warning Timeline

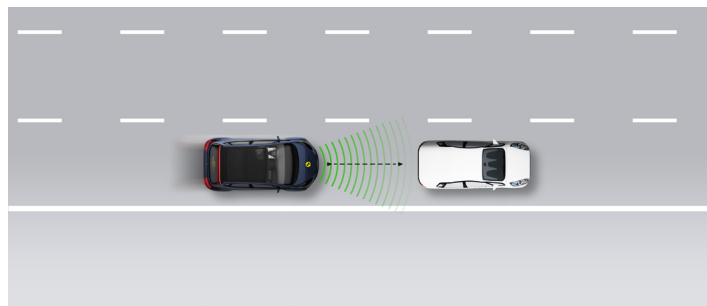
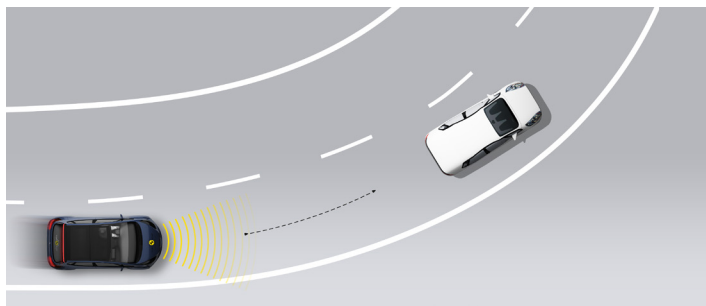


 SAFETY BACKUP

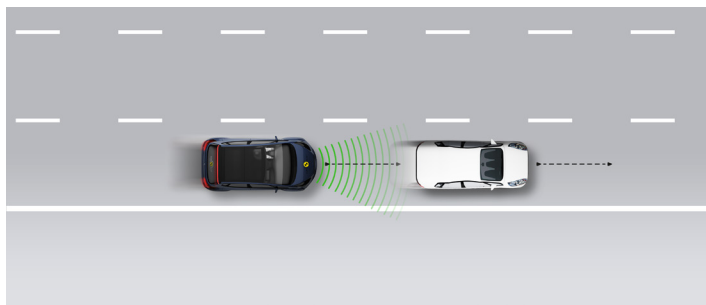
Total 86%

COLLISION AVOIDANCE		41.3 / 50 Pts
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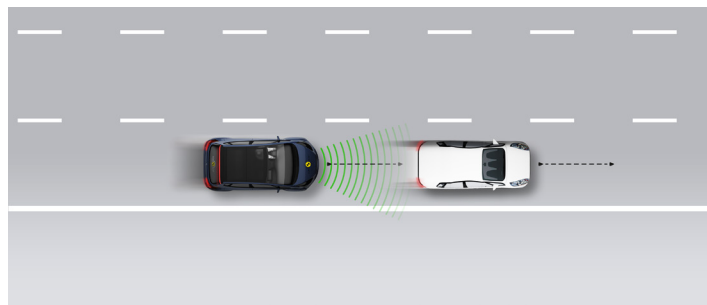
Approaching a stationary car



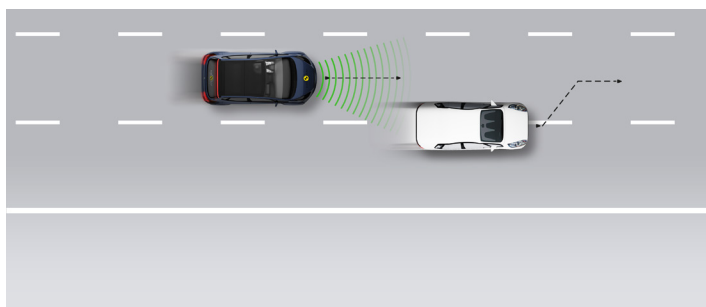
Approaching a slower moving car



Approaching a braking car



Car cutting-in in front



Car cutting-out in front

