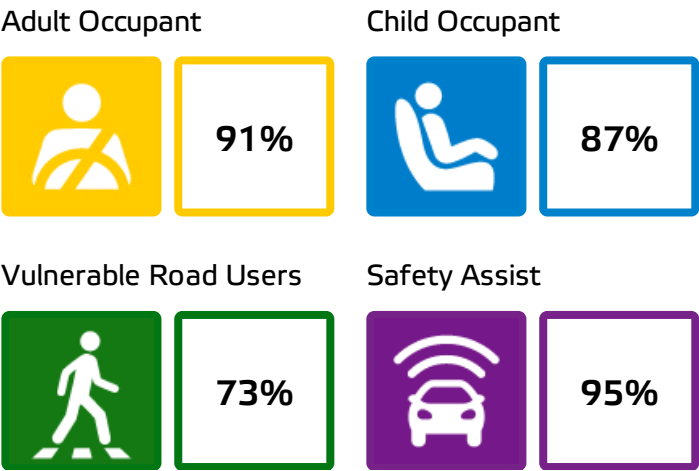




NIO ET7
Standard Safety Equipment

2022 ★★★★★



SPECIFICATION

Tested Model	NIO ET7, LHD
Body Type	- 4 door saloon
Year Of Publication	2022
Kerb Weight	2379kg
VIN From Which Rating Applies	- all ET7's
Class	Executive

SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	●	●	—
Belt pretensioner	●	●	●
Belt loadlimiter	●	●	●
Knee airbag	✗	✗	—
LATERAL CRASH PROTECTION			
Side head airbag	●	●	●
Side chest airbag	●	●	✗
Side pelvis airbag	●	●	✗
Centre Airbag	●	●	—

Version 141122

SAFETY EQUIPMENT (NEXT)

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix/i-Size	—	×	●
Integrated CRS	—	×	×
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●

OTHER SYSTEMS	
Active Bonnet	×
AEB Vulnerable Road Users	●
AEB Pedestrian - Reverse	●
AEB Car-to-Car	●
Speed Assistance	●
Lane Assist System	●

Note: Other equipment may be available on the vehicle but was not considered in the test year.

- Fitted to the vehicle as standard ○ Fitted to the vehicle as part of the safety pack
 ○ Not fitted to the test vehicle but available as option or as part of the safety pack × Not available — Not applicable



ADULT OCCUPANT

Total 34.8 Pts / 91%

GOOD

ADEQUATE

MARGINAL

WEAK

POOR

Frontal Impact

13.8 / 16 Pts



Mobile Progressive Deformable Barrier



Full Width Rigid Barrier

Lateral Impact

15.5 / 16 Pts



Side Mobile Barrier



Side Pole



Far-Side Excursion



Occupant Interaction

Rear Impact

3.6 / 4 Pts



Rear Seat



Front Seat



ADULT OCCUPANT

Total 34.8 Pts / 91%



GOOD



ADEQUATE



MARGINAL



WEAK



POOR

Rescue and Extrication

2.0 / 2 Pts

Rescue Sheet	Available, ISO compliant	
Advanced eCall	Available	
Multi Collision Brake	Available	

Comments

The passenger compartment of the ET7 remained stable in the frontal offset test. Dummy readings indicated good protection of the knees and femurs of both the driver and passenger. NIO demonstrated that a similar level of protection would be provided to occupants of different sizes and to those sitting in different positions. Protection was good for all critical body areas of the passenger. Analysis of the deceleration of the impact trolley during the test, and analysis of the deformable barrier after the test, revealed that the ET7 would be an aggressive impact partner in a frontal collision, and the score was penalised accordingly. In the full-width rigid barrier test, protection of all critical body areas was good and the ET7 scored maximum points in this part of the assessment. In the more aggressive side pole impact, protection of the driver's chest was rated as marginal, based on dummy readings of rib compressions. Control of excursion (the extent to which a body is thrown to the other side of the vehicle when it is hit from the far side) was found to be adequate. The ET7 has a counter-measure to mitigate against occupant to occupant injuries in such impacts. The system performed well in Euro NCAP's test, with good protection of occupants' heads. Tests on the front seats and head restraints demonstrated good protection against whiplash injuries in the event of a rear-end collision. A geometric analysis of the rear seats also indicated good whiplash protection. The ET7 has an advanced eCall system which alerts the emergency services in the event of a crash and a system which automatically applies the brakes to prevent secondary collisions.

CHILD OCCUPANT

Total 43 Pts / 87%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Crash Test Performance based on 6 & 10 year old children

24.0 / 24 Pts

Frontal Impact

16 Pts



Lateral Impact

8 Pts

Restraint for 6 year old child: *Cybex Solution Z Isofix*Restraint for 10 year old child: *Osann Flux plus*

Safety Features

7.0 / 13 Pts

	Front Passenger	2nd row outboard	2nd row center
Isofix	✗	●	✗
i-Size	✗	●	✗
Integrated CRS	✗	✗	✗

● Fitted to test car as standard
 ○ Not on test car but available as option
 ✗ Not available

CRS Installation Check

12.0 / 12 Pts

● Install without problem ● Install with care ● Safety critical problem ✗ Installation not allowed

■ i-Size CRS

Maxi Cosi 2way Pearl & 2wayFix (i-Size)



Maxi Cosi 2way Pearl & 2wayFix (i-Size)



BeSafe iZi Kid X2 i-Size (i-Size)



Britax Römer TriFix2 i-Size (i-Size)



BeSafe iZi Flex FIX i-Size (i-Size)



■ ISOFIX CRS

BeSafe iZi Combi X4 ISOfix (ISOFIX)



Cybex Solution Z i-Fix (ISOFIX)





CHILD OCCUPANT

Total 43 Pts / 87%

■ Universal Belted CRS

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyFix (Belt)



Britax Römer King II LS (Belt)



Cybex Solution Z i-Fix (Belt)





CHILD OCCUPANT

Total 43 Pts / 87%

	Seat Position			
	Front	2nd row		
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	—	●	—	●
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	—	●	—	●
BeSafe iZi Kid X2 i-Size (i-Size)	—	●	—	●
Britax Römer TriFix2 i-Size (i-Size)	—	●	—	●
BeSafe iZi Flex FIX i-Size (i-Size)	—	●	—	●
BeSafe iZi Combi X4 ISOfix (ISOFIX)	—	●	—	●
Cybex Solution Z i-Fix (ISOFIX)	—	●	—	●
Maxi Cosi Cabriofix (Belt)	●	●	●	●
Maxi Cosi Cabriofix & EasyFix (Belt)	●	●	●	●
Britax Römer King II LS (Belt)	●	●	●	●
Cybex Solution Z i-Fix (Belt)	●	●	●	●

● Install without problem
 ● Install with care
 ● Safety critical problem
 ✗ Installation not allowed
 — Not available

Comments

The ET7 provided good protection for all critical body regions of both the 6 and 10 year dummies in the frontal offset and side barrier tests, and scored maximum points in this part of the assessment. The front passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. All of the child restraint types for which the ET7 is designed could be properly installed and accommodated.



VULNERABLE ROAD USERS

Total 39.5 Pts / 73%



GOOD



ADEQUATE



MARGINAL



WEAK



POOR

Pedestrian

24.6 / 36 Pts



Head Impact	16.4 Pts
Pelvis Impact	2.2 Pts
Leg Impact	6.0 Pts

Vulnerable Road Users

14.9 / 18 Pts

System Name	Autonomous Emergency Braking
Type	Auto-Brake with Forward Collision Warning
Operational From	4 km/h



VULNERABLE ROAD USERS

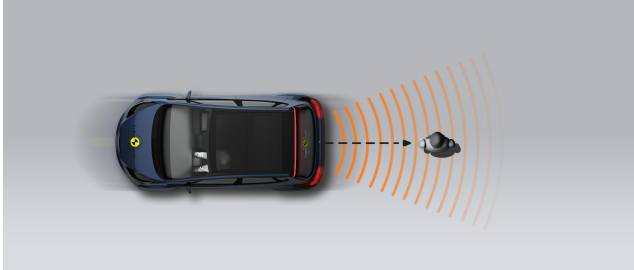
Total 39.5 Pts / 73%

AEB Pedestrian

7.1 / 9 Pts

■ Day time

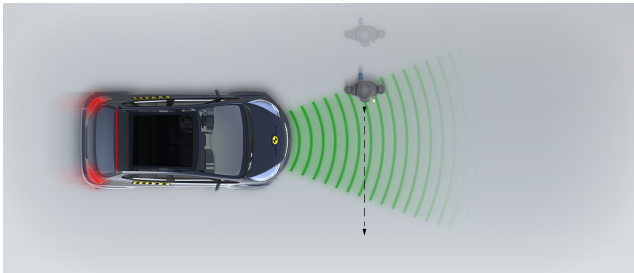
Vehicle reversing into standing pedestrian



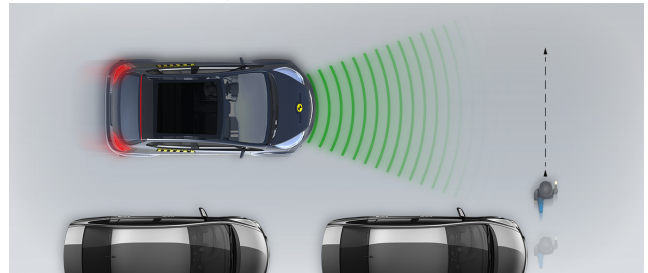
Pedestrian crossing a road into which a car is turning



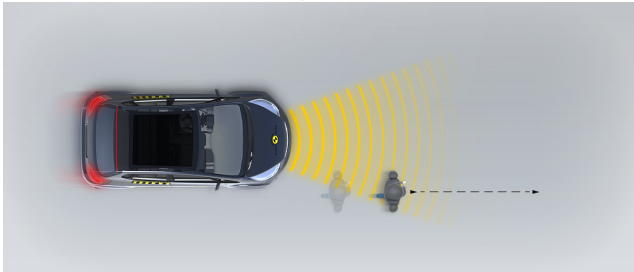
Adult crossing the road



Child running from behind parked vehicles

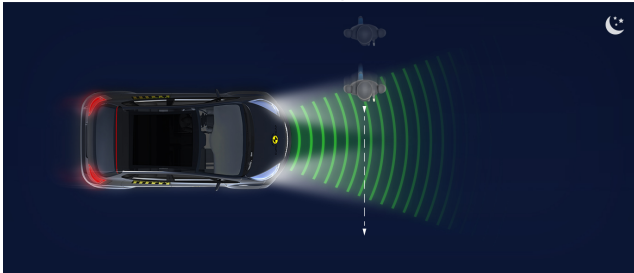


Adult along the roadside

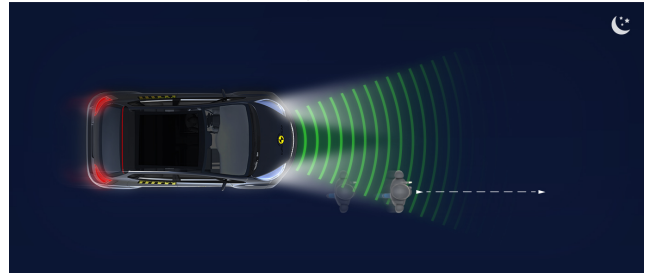


■ Night time

Adult crossing the road



Adult along the roadside





VULNERABLE ROAD USERS

Total 39.5 Pts / 73%

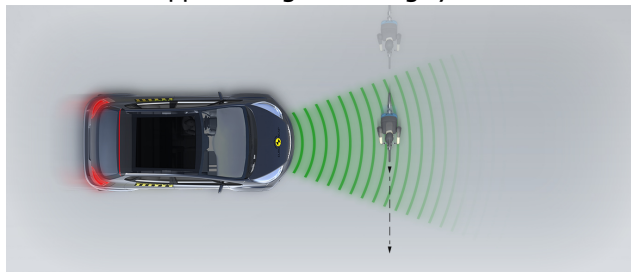
AEB Cyclist

7.8 / 9 Pts

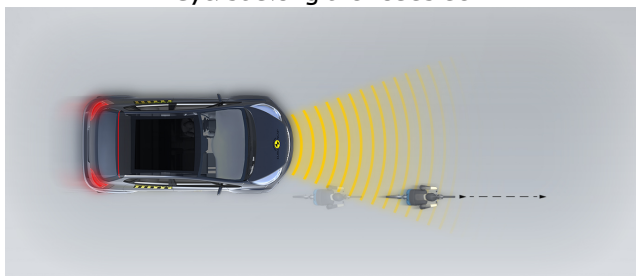
Cyclist from nearside, obstructed view



Approaching a crossing cyclist



Cyclist along the roadside



Comments

Protection of the head of a struck pedestrian was predominantly good or adequate. The bumper offered good protection to pedestrians' legs at all test locations but protection of the pelvis was predominantly weak or poor. The autonomous emergency braking (AEB) system of the ET7 can respond to vulnerable road users as well as to other vehicles. The system performed well in tests of its response to pedestrians and cyclists, with collisions avoided in most test scenarios.



SAFETY ASSIST

Total 15.2 Pts / 95%

 GOOD


 ADEQUATE

 MARGINAL

 WEAK


 POOR

Speed Assistance


 3.0 / 3 Pts









System Name	Speed Assistance System
Speed Limit Information Function	Camera & Map, subsigns supported
Speed Limitation Function	System advised (accurate to 5km/h)




Occupant Status Monitoring

 3.0 / 3 Pts


> Seatbelt Reminder

 2.0 / 2 Pts

Applies To	Front and rear seats		
Warning	Driver Seat	Front Passenger(s)	Rear Passenger(s)
Visual			
Audible			
Occupant Detection	—		

 Pass
  Fail
  Not available

> Driver Monitoring

 1.0 / 1 Pts

System Name	DMS
Type	direct eye monitoring
Operational From	20 km/h



SAFETY ASSIST

Total 15.2 Pts / 95%



Lane Support

3.5 / 4 Pts

System Name	Lane Support System
Type	LKA and ELK
Operational From	65 km/h
PERFORMANCE	
Emergency Lane Keeping	<div></div> GOOD
Lane Keep Assist	<div></div> MARGINAL
Human Machine Interface	<div></div> GOOD

AEB Car-to-Car

5.7 / 6 Pts

System Name	Autonomous Emergency Braking
Type	Autonomous emergency braking and forward collision warning
Operational From	4 km/h
Sensor Used	camera and radar



SAFETY ASSIST

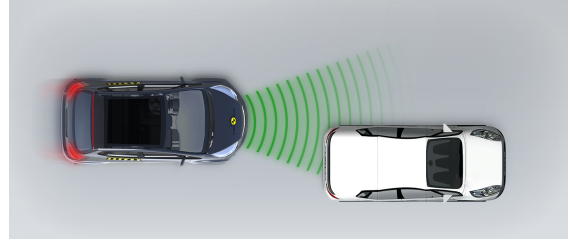
Total 15.2 Pts / 95%

■ Autobrake function only

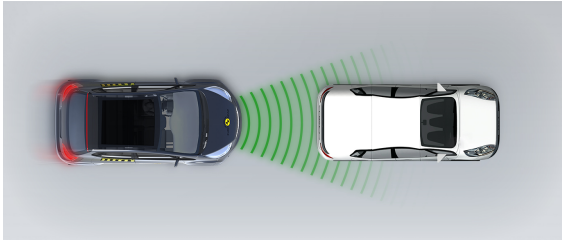
Car turning across the path of an oncoming car



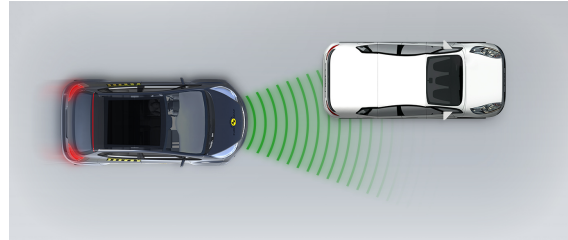
Approaching a stationary car



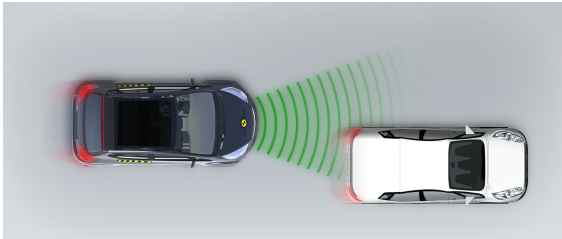
Approaching a stationary car



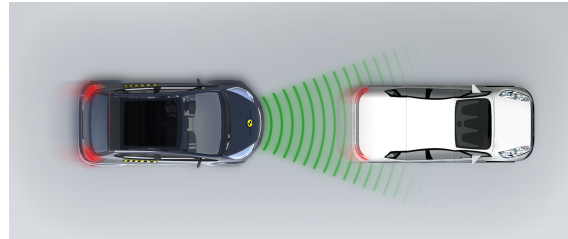
Approaching a stationary car



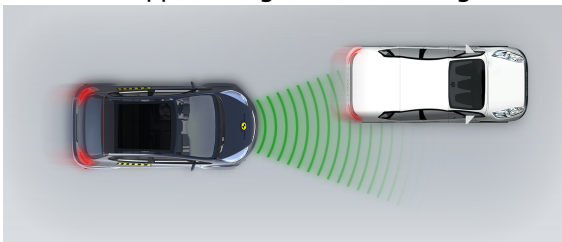
Approaching a slower moving car



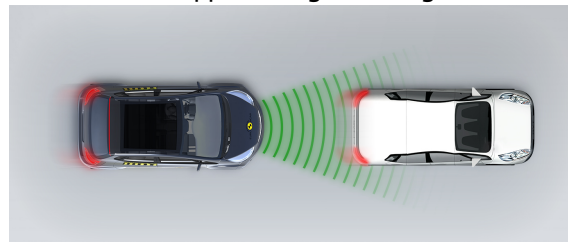
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car



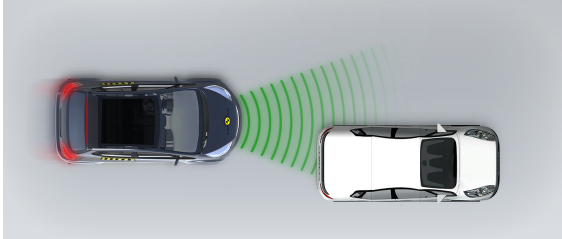


SAFETY ASSIST

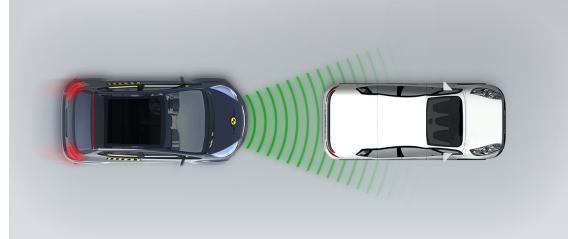
Total 15.2 Pts / 95%

■ Driver reacts to warning

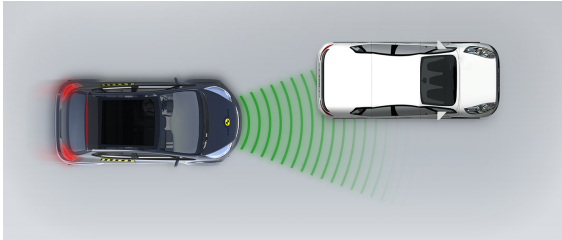
Approaching a stationary car



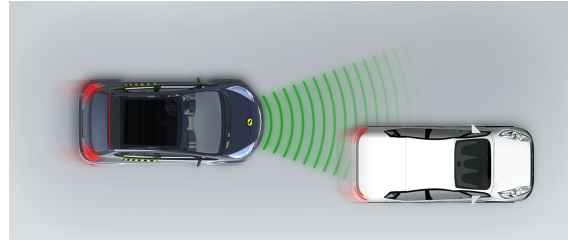
Approaching a stationary car



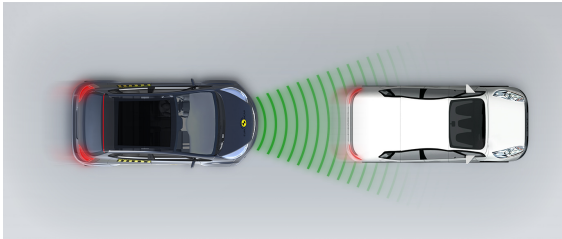
Approaching a stationary car



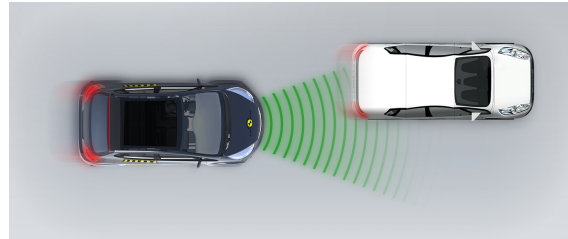
Approaching a slower moving car



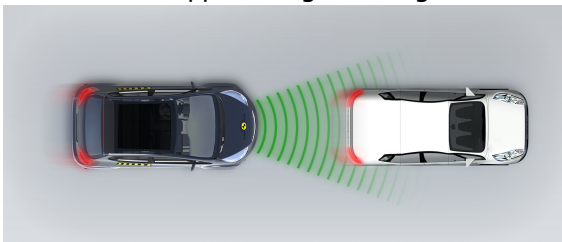
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car





SAFETY ASSIST

Total 15.2 Pts / 95%

Comments

The ET7's autonomous emergency braking (AEB) system performed well in tests of its reaction to other vehicles. A seatbelt reminder system is fitted as standard to the front and rear seats and the car is equipped with a system to detect driver fatigue. The lane support system gently corrects the vehicle's path if it is drifting out of lane, and also intervenes in some more critical situations. A speed assistance system detects the local speed limit and the driver can choose to set the limiter or let the system do so automatically. [However, the speed limiter failed Euro NCAP's accuracy requirements at one of the test speeds and that part of the system was not rewarded. NIO have informed Euro NCAP that all cars will receive revised software to improve the accuracy of the system.

RATING VALIDITY

Variants of Model Range

Body Type	Engine	Drivetrain	Rating Applies	
			LHD	RHD
4 door saloon	PEV *	4 x 4	✓	-

* Tested variant

Annual Reviews and Facelifts

Date	Event	Outcome	
November 2022	Rating Published	2022 ★ ★ ★ ★ ★	✓