



CarSim

CarSim

CarSim      20

CarSim

CarSim

V2V/V2I  
CarSim

ADAS



CarSim

**CarSim**

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- ABS
- ECS
- ACC
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- EPS
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- ADAS
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- V2V
- V2I



: CarSim

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CarSim  
CarSim                      CarSim

: CarSim

CarSim    ISO

ECE   Euro   NCAP

ECE R13H

: CarSim

MATLAB/Simulink   Lab VIEW

API

VS Commands      COM

FMI/FMU

CarSim

SiL/HiL

**VS Commands:** CarSim

**CarSim**

- CarSim
- CarSim MATLAB/Simulink
- CarSim
- CarSim
- CarSim :
  - Software-in-the-loop(SiL);
  - Model-in-the-loop(MiL);
  - Hardware-in-the-loop(HiL);
  - Driver-in-the-loop(DiL)
- CarSim
- CarSim
- CarSim
- CarSim



ADAS

CarSim

CarSim



- CarSim
- CarSim
- CarSim
- HiL
- CarSim
- CarSim

- 15
- 25
- 150+

- 3D
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- COM
- Excel

- MATLAB/Simulink
- LabVIEW
- ASCET
- Visual Studio

**CarSim RT**

- dSPACE
- National Instruments
- Opal-RT
- ETAS
- Fujitsu-TEN
- A&D RT-Linux
- Concurrent RT

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- Pacejka 5.2
- MF-Tyre
- MF-Swift (optional)
- COSIN FTire (optional)

**VehicleSim (VS) Commands**

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- HUD
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- AVL Cruise
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