

KP2

Frequently asked questions



1. What does ADAS stand for?

ADAS stands for Advanced Driver Assistance Systems. ADAS is made up of electronic systems that assist drivers in the safe operation of their vehicles.

2. What does DSM stand for?

DSM stands for Driver State Monitoring. DSM is a camera-based AI safety system that monitors driver behavior. It alerts drivers during periods where lack of awareness impedes their ability to safely operate a vehicle (e.g., fatigue or distraction).

3. Does the Sensata INSIGHTS device alert drivers during an ADAS event?

Yes. Users can choose between in-cabin audible chimes and natural language alerts that provide drivers with notifications. Currently, only English language alerts are available. We can add more languages in the future. There's a unique chime or phrase associated with each ADAS event trigger. Users also have the option to silence ADAS driver alerts.

4. What is FCW?

A Forward Collision Warning (FCW) is triggered when your vehicle is likely to collide with another object in front of the vehicle (when traveling at faster speed).

5. What is HMW?

A Headway Monitoring Warning (HMW) is triggered when you are not maintaining a safe distance to the vehicle ahead of you. Otherwise known as "tailgating."

6. What is LDW?

A Lane Departure Warning (LDW) is triggered when the vehicle crosses a solid lane line while traveling at or above the minimum speed.

7. Which ADAS and DSM events are currently available for the KP2?

ADAS:

- FCW: Forward Collision Warning
- LDW: Lane Departure Warning
- HMW: Headway Monitoring Warning (tailgating)

DSM:

- DFW: Driver Fatigue Warning
- DDW: Driver Distraction Warning

8. What circumstances trigger a speeding warning?

A speeding warning is triggered anytime the vehicle exceeds a configurable speed threshold. A threshold is set using the KP2 configuration tool.

9. What do I need to do in order to use ADAS events with the KP2?

The KP2 with ADAS provides three event types.

Simply enable these ADAS events for your SmartAPI tenant within the SmartAPI workstation, and your "listener" app will receive a callback.

The data payload will indicate specific ADAS event types in the "More Info" area. Please note that you may need to account for these event types in your application.

If you are "re-hosting" the callbacks into your own database, adjust your database to allow tracking of any new ADAS event types.

10. How do I download the KP2 app?

Visit the iOS App Store or Google Play Store and search for "Sensata INSIGHTS KP2," or visit the [KP2 Setup](#) page for QR codes to download the app.

11. Can I see events/recordings/notifications on the KP2 Mobile App?

The KP2 Installer App is currently for device calibration and event configuration.

12. Can you turn off the ADAS/DSM capabilities if a non-AI camera is desired?

Yes. ADAS and DSM capabilities can be toggled off.

13. Does the KP2 need to get speed data from the vehicle for ADAS functions to work?

If the KP2 is unable to receive data from the OBDII or JBUS (vehicle speed), the device will default to GPS for speed data. The potential data latency could be problematic in the event of a driver warning. Utilizing vehicle speed should be prioritized as this provides the most accurate speed data.

14. Can the device be updated over the air (OTA)?

Yes. All our devices, including the KP2, can be updated over the air.

15. What are my KP2 installation options?

3-wire installation comes standard in the package contents. This is a universal installation method that applies to all vehicles. There are alternatives available, such as the OBD-PWR option. See the Optional Accessories in the KP2 User Guide for more details.

Contact your Sensata INSIGHTS Sales Representative for the latest information regarding JBUS connectivity and adapter availability.

16. I would like to have KP2 windshield mounting brackets in my entire fleet of vehicles, but I will only use two KP2s at any one time. Can we arrange a purchase/subscription deal for just the two units and then physically move them as needed?

This is a nonstandard request for implementation and requires approval from your account manager.

17. What are the benefits of having a removable driver-facing camera?

The detachable driver-facing camera does not have to be purchased at the time of deployment. You can upgrade it in the field, and all necessary software will be loaded and readily available.

Many union companies currently do not allow a driver-facing camera. However, this may change as contracts are renegotiated.

18. Is it required to purchase a data plan through Sensata INSIGHTS?

We prefer to provide data with the KP2. However, you can receive special permission to use your own SIM cards and data plan. You must still purchase a KP2 service subscription as that covers the charges to host and access your data.

19. Is there a price option to use the camera without ADAS — as only a forward-facing “dumb” camera — so we can use the KP2 now and upsell ADAS in the future?

The current price for the camera is the same with or without ADAS capabilities. If fleet admins purchase the device and want to wait to enable ADAS later, there's no additional cost to the TSP, which provides partners an additional source of revenue if desired.

20. Can I use the KP2 with Wi-Fi only?

Yes. The telematics service provider (TSP) needs to program access points and may add up to 10 Wi-Fi access points with passwords.

This will still hold the capacity of your data card. This is priced the same as if you utilized your own SIM card, as we still charge monthly for our SmartAPI service subscription.

21. Does the easy-add-on driver-facing camera come in every KP2 box, whether we opt in to both views or not? Or would we have to order that hardware later on if we wanted to add a driver-facing camera?

The driver-facing camera is not included in the standard offering. However, since the KP2 is designed to be modular, you can easily purchase the driver-facing camera and store it for later use.

22. Does the KP2 support Artificial Intelligence Driving Events (AIDE)?

Yes. All of Sensata INSIGHTS' camera solutions can use AIDE to reduce false positives.

23. Can the KP2 record in-cabin audio?

Yes. This is optional and configurable.



24. What features are disabled first in an “over-temperature step-down protocol”?

In the event of rising temperatures, the KP2 will disable higher order features (DSM and ADAS) to allow the device to maintain basic functionality.

25. Does the KP2 produce GPS location data?

Yes. You can use the KP2 as a dual-purpose device for a GPS and video telematics 2-in-1 solution.

26. How is the KP2 different from the CP2?

Some differentiating factors include:

- DSM events powered by edge-based AI and ADAS event triggers derived from vehicle speed whenever possible. Whenever vehicle speed is irretrievable, GPS speed will be used for ADAS calculations as a fallback.
- Driver-facing and road-facing camera in one device
- Voltage detection logic
- Over-temperature step-down protocol
- Better visual resolution and frame rate
- More efficient power design
- Easy device removal bracket
- Expanded local memory — useful for larger natural language datasets

These are just a few ways the KP2 outperforms its previous generation, the CP2, and other comparable competition.

27. Does the KP2 provide more onboard data storage than its predecessor, the CP2?

No. The onboard data storage is exactly the same and utilizes an included 64GB microSD card.

28. Is payment required upfront for hardware and/or installation? Can we bundle costs and pay over time?

Both capex and opex options are available. Payment upfront or through SmartPay are both viable options.

29. Will the device work with SmartView?

Yes. All our devices, including the KP2, will work with SmartView.

30. Does the KP2 work with AIDE?

Yes. Artificial Intelligence Driving Events (AIDE) on the KP2 leverages industry-best SmartAnalytics technology, taking into account a wider range of situational context to filter out and reduce false positives by as much as tenfold.

31. Which countries/regions will support KP2’s modem at launch?

All of the Sensata INSIGHTS sales regions will support KP2 connectivity at launch.

32. Which radio module does the KP2 use?

Quectel SC606T. There is a North America variant and a Global variant (rest of world).

33. Do DSM alerts trigger events in SmartView/GoCam+ or in-cabin only?

Both. They act in the same fashion as any other event trigger in SmartView/GoCam+.

