



YOUR GUIDE TO:

VIA Mobile360 ADAS System



VIA Mobile360 ADAS System

Boost vehicle safety and efficiency with the VIA Mobile360 ADAS System! Combining a ruggedized design optimized for the most demanding on-road and off-road conditions with stunning video performance and support for up to nine cameras, this ultra-reliable system offers a wealth of hardware and software customization options to meet your specific installation requirements for any environment – from bus and truck fleets to armored cars and law enforcement vehicles.

A wide array of customization options is available to meet specific usage requirements in almost any environment.



Key Features Include:

- ▶ Qualcomm® APQ8096SG Embedded Processor
- ▶ Supports up to nine cameras through FAKRA connectors
- ▶ Integrated Gigabit Ethernet, Wi-Fi, BT 4.1, and GPS
- ▶ Optional 4G LTE modem
- ▶ 9-36V DC-in with ACC/IGN support & 12V/1A DC-out

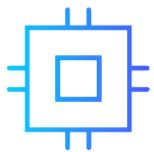


The VIA Mobile360 ADAS System Benefits

- ▶ Ruggedized chassis optimized for in-vehicle operation
- ▶ Supports up to nine cameras through FAKRA connectors
- ▶ Supports BSD, FCW, LDW, SLD, PDW, and RCW
- ▶ VIA Mobile360 SVS (Surround View System) and VIA Mobile360 DMS (Driver Monitoring System) options
- ▶ E-Track vehicle tracking, driver monitoring, and asset management cloud portal



Hardware



With its ruggedized chassis, extended temperature support, and flexible voltage input, VIA Mobile360 ADAS has been specifically designed to withstand the rigors of in-vehicle operation in the most demanding on-road and off-road conditions. Harnessing the leading-edge compute and graphics performance of the Qualcomm® APQ8096SG Embedded Processor, the system enables simultaneous real-time video capture, processing, and display from up to nine cameras.



Camera & Display Integration

VIA Mobile360 ADAS offers flexible integration options for up to nine cameras, including a choice of validated FOV-40 cameras for ADAS and FOV-190 cameras for Surround View. A 10.1" projective capacitive display option is also available.



ADAS Features

VIA Mobile360 ADAS supports a complete range of advanced driver assistance features, including Blind Spot Detection (BSD), Forward Collision Warning (FCW), Lane Departure Warning (LDW), Speed Limit Detection (SLD), Pedestrian Detection Warning (PDW), and Rear Collision Warning (RCW), Vehicle Detection and Classification for special vehicles, motorcycles, and bicycles.



Lane Departure Warning



Forward Collision Warning



Rear Collision Warning



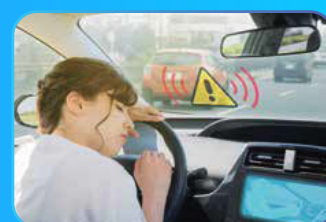
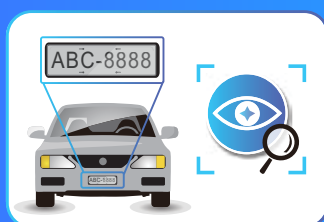
Blind Spot Detection



Speed Limit Detection

Customization Options

VIA Mobile360 ADAS functionality can be expanded with the integration of VIA Mobile360 SVS (Surround View System) technology for real-time in-vehicle 360° video monitoring and recording and VIA Mobile360 DMS (Driver Monitoring System) technology for monitoring and detecting diverse aspects of driver behavior. Other options include Parking Assist System (PAS) and Dynamic Moving Object Detection (DMOD). VIA Mobile360 E-Track is also available, featuring a cloud portal that enables real-time vehicle tracking, driver monitoring, and asset management.





If you are interested in how we can customize
the VIA Mobile360 ADAS to fit your specific
needs, please don't hesitate to
get in touch with us.

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