



Driver Monitoring System ADAS Kit

The perfect addition to the EchoMaster Connected system. Keep your drivers safe with this powerful add-on for vehicles in any industry.

The Driver Monitoring System ADAS kit from EchoMaster is a comprehensive status warning solution designed to monitor complex road situations and driver behaviour to help prevent accidents up ahead.

The kit is comprised of a 1080p Front-Facing ADAS Camera, a Driver-Facing High-Contrast Camera with Advanced Facial Analysis and a small clear In-Cab Display.

Alarm and event triggers are shown on the in-cab display and uploaded remotely to the EchoMaster Connected platform via the DVR to ensure that the driver is aware of potential hazards in real-time and that the information can be recorded in case of possible incidents or future driver training.



Designed for use with the latest generation EchoMaster FHD 1080p DVR Range.
Compatible with the EchoMaster Connected Platform for Real Time Reporting when used with a DVR with SIM Contract

Comprehensive Alerts

With a wide range of alerts provided through the ADAS camera and the facial analysis system, the DMS ADAS kit from EchoMaster is the perfect safety add-on for vehicles in any industry.

Simply connect the system to the EchoMaster Connected platform to record, monitor and download your data on your devices wherever you are. Start making key cost-effective and life-saving decisions for your drivers right away with the Driving Monitoring System from EchoMaster.

Features & Benefits

- ▶ 1080p Front-Facing Camera
- ▶ Driver Facial Analysis Camera
- ▶ Dedicated Display alerts the driver whenever the system detects a potential hazard
- ▶ Improves safety for your drivers and reduces the risk of costly incidents
- ▶ Can be used with an EchoMaster Connected system to create a secure, closed-loop for data gathered by the kit and access your data remotely from your devices
- ▶ Provides a range of warnings for the driver and operator including Fatigue, Distraction, Lane Departure, Forward Collision, Distance Monitoring, and more
- ▶ Ideal for use with EchoMaster FHD 1080p DVR range

Stay safe with our 3-part system*

*Also requires DVR (sold separately)

1. Driver-Facing Facial Analysis Camera

- ▶ Driver Fatigue Warning
- ▶ Driver Distraction Warning
- ▶ Driver Smoking Warning
- ▶ Phone Usage Warning
- ▶ Driver Not Present Warning

2. 1080p Front-Facing Camera

- ▶ Lane Departure Warning
- ▶ Distance Monitoring
- ▶ Forward Collision Warning

3. Dedicated Add-on Display

For driver alerts. Alarms also sent to the cloud via EchoMaster Connected DVR platform.

ADAS Camera Features



FORWARD COLLISION WARNING

When the current distance is less than the preset 'time to collision' threshold, the system will alert the driver via the corresponding icon on the display and provide an audible warning.



LANE DEPARTURE

Once the vehicle speed exceeds the preset speed threshold (default 60km/h) the system will alert the driver via the corresponding icon on the display and provide an audible warning.



DISTANCE MONITORING

The ADAS camera will detect the vehicle ahead in real time and the system will display the distance to the vehicle (in metres). Once the distance/time falls below the threshold, the Forward Collision Warning (FCW) will trigger.

Display Warning Icons



DISTANCE WARNING



LANE DEPARTURE WARNING (LDW)



PHONE WARNING



SMOKING WARNING



NO DRIVER WARNING



DRIVER FATIGUE WARNING

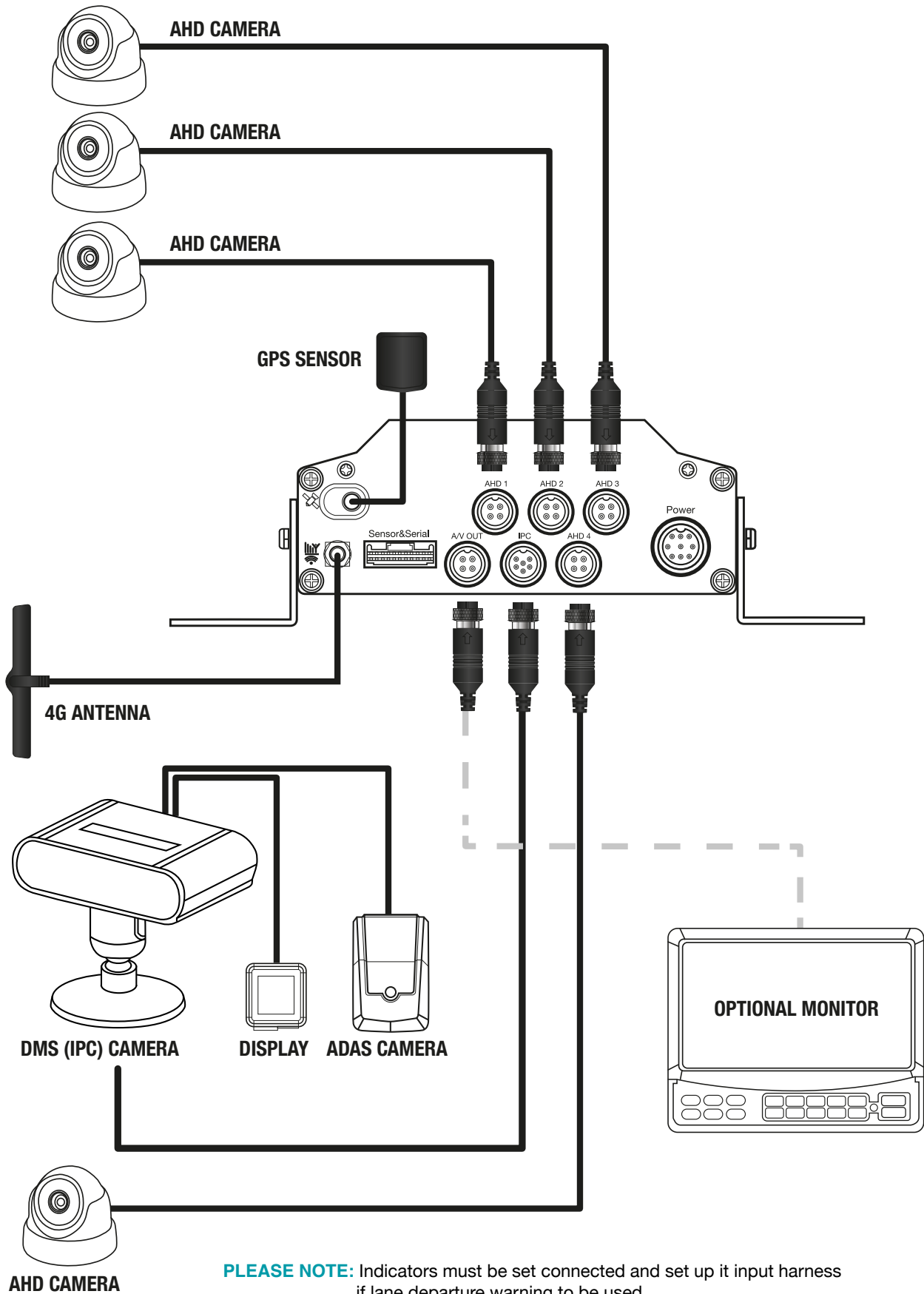


DRIVER DISTRACTION WARNING



FORWARD COLLISION WARNING (FCW)

Example Installation



PLEASE NOTE: Indicators must be set connected and set up it input harness if lane departure warning to be used.

Technical Specification

Image Sensor	Lens	6mm M12
	Sensor	1/3" 1.3m Pixel CMOS
	Shutter	Manual 1/60s to 1/5000s
		Auto 1/60s to 1/10000s
	S/N	≥45dB
Minimum Illumination	0 LUX	
IR	1.2 metres	
Speaker	86dbm @ 10cm	
Interface	Network	PON
	External Camera	Mini DIN connector (4-Pin) AHD 1080p @ 30fps MAX
	Display	RS485
Power	Input	PON interface DC7-15v
	Consumption	≤7W (without ADAS cam)
	Supply Current	5A MAX
Others	Dimension	105 x 89 x 60mm (W x H x D)
	Weight	450g
	Working Temperature	-30°C - +70°C
	Working Humidity	20% - 90 % RH