Mobileye User Guide

Applicable Model: T622/T622G

Change History

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Contents

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2 Product Introduction

2.1 Product Functions

- Forward Collision Warning (FCW)
- Urban Forward Collision Warning (UFCW)
- Pedestrian Collision Warning (PCW)
- Pedestrian detection in the "danger zone"
- Lane Departure Warning (LDW)
- Headway Monitoring and Warning (HMW)
- Intelligent High-Beam Control (IHC)
- Speed Limit Indicator (SLI)
- Turn Signal Reminder

2.2 Function Description

The Mobileye is an Advanced Driver Assistance System that provides audio and visual alerts.

It can provide customers with:

- Alert drivers.
- Prevent accidents.
- Reduce accident rates.
- Provide driver behavior analysis.

The Mobileye system will not intervene and activate any vehicle control, except for IHC.

No.	Alert Type	Alert Description	Working Condition
1	FCW	The FCW provides an alert up to 2.7 seconds before a possible collision with the vehicle in front.	The FCW is always operational when the system is active.
2	UFCW	The UFCW provides an alert before a possible low-speed collision with the vehicle in front.	The UFCW is operational under 30 km/h.
3	PCW	The PCW provides an alert when a pedestrian crosses in front of the vehicle's path.	The PCW is operational during daylight hours only, and at under 50 km/h. PCW does not work in the dark, or at night.
4	LDW	The LDW provides an alert when the vehicle unintentionally departs from the driving lane. An unintentional departure is defined by departing from the driving lane without using the turn signals. If the turn signal is used when changing lanes, an alert is not generated.	1. The LDW is active at speeds greater than 65 km/h. 2. The LDW is available. (The white lane icon will be displayed on the EyeWatch display.)
5	HMW	The HMW displays the time, in seconds, to the vehicle in front. The system provides an alert if the time becomes dangerously short.	A car icon is shown whenever a vehicle is detected traveling in front of the vehicle. The numerical headway display and the audio alert are operational only at speeds greater than 30 km/h.
6	SLI	It detects and classifies various speed limit signs and provides a visual alert when the vehicle's speed exceeds the posted speed limit.	1. The alert is based on the most recent sign detected. 2. The SLI is functional when the vehicle's speed exceeds the posted speed limit sign.

3 Main Device and Accessories

Windscreen-mounted vision sensor

EyeWatch display

E-BOX

CAN sensor

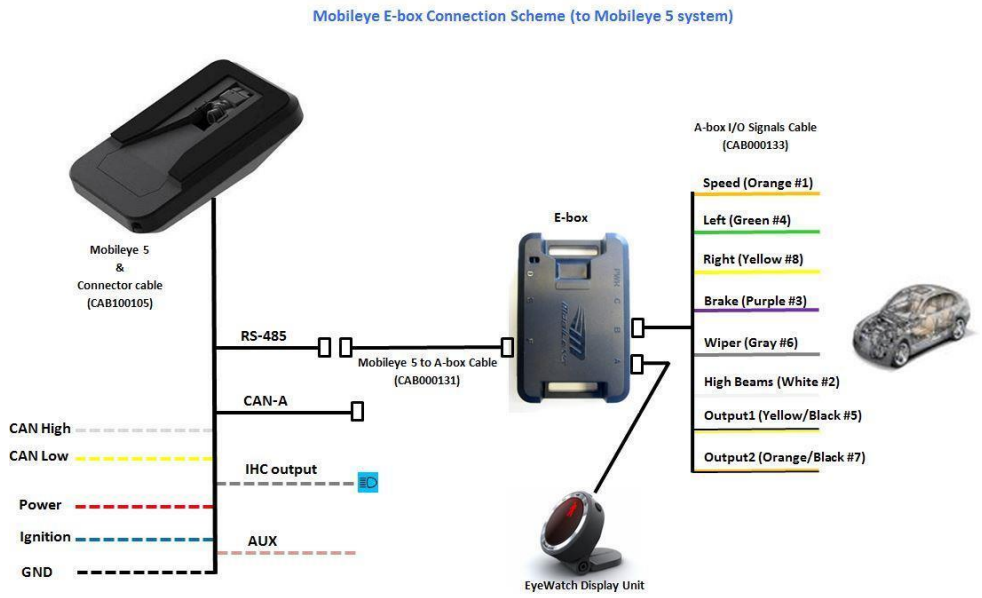
E-BOX I/O cable

E-BOX connection cable

4 Installation

4.1 Installing Mobileye

4.1.1 Mobileye Connection Figure

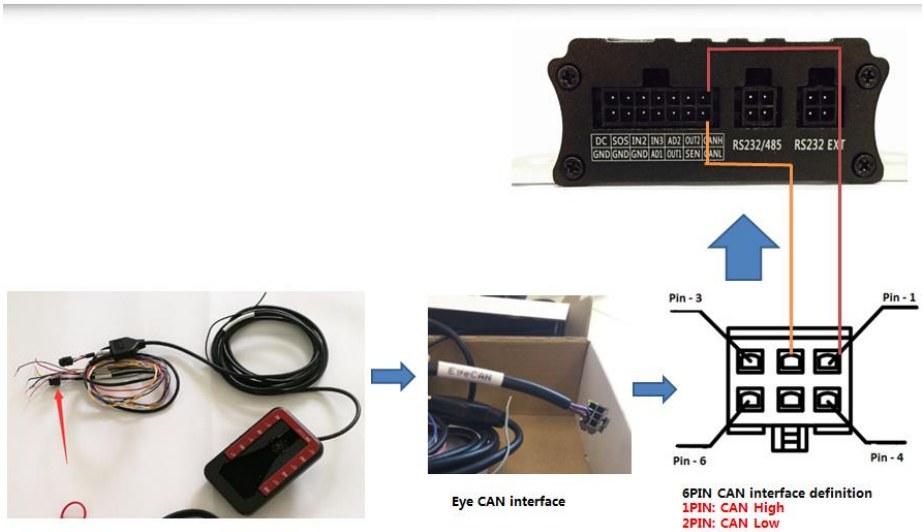


Pin	Color	Function
1	Orange	Vehicle speed signal
2	White	High beam signal
3	Purple	Braking signal
4	Green	Left turn signal
5	Yellow/Black	Output 1
6	Grey	Windscreen wiper
7	Orange/Black	Output 2
8	Yellow	Right turn signal

4.1.2 Actual Product Connection Figure

4.2 Connecting Mobileye to T622

T622	Mobileye
CAN H	CAN H
CAN L	CAN L



5 Viewing Mobileye Reports from MS03

5.1 Mobileye Alert Event

On the MS03 tracking platform, there are 5 types of Mobileye alert events: sharp turn to the left/right, speeding, collision with a vehicle, collision with a pedestrian and headway too close.

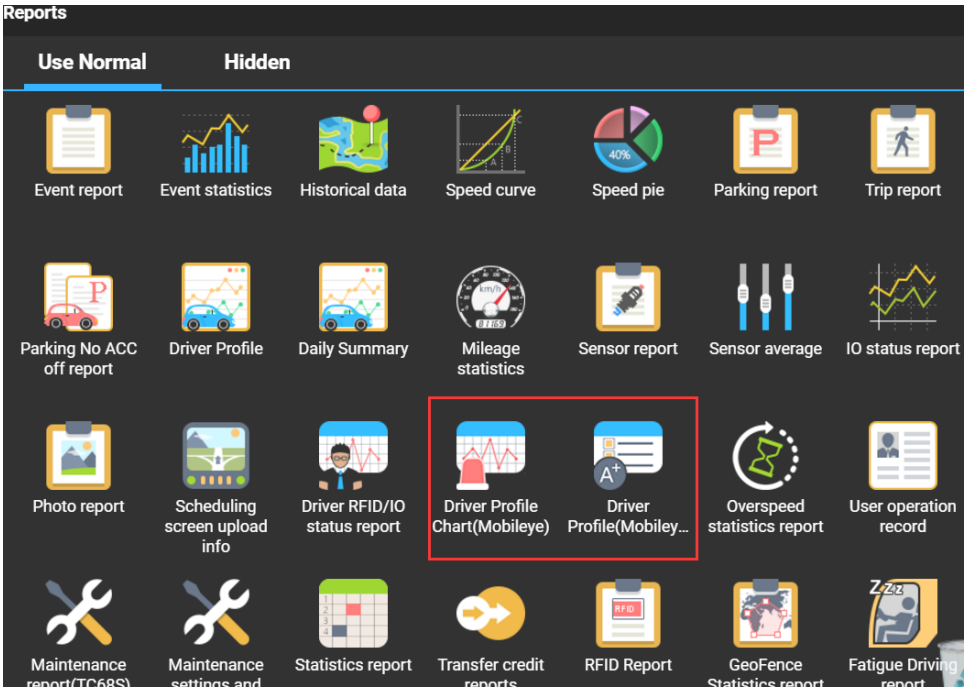
Events uploaded by T622

- Forward Collision Warning (FCW)
- Urban Forward Collision Warning (UFCW)
- Pedestrian Collision Warning (PCW)
- Lane Departure Warning (LDW)
- Headway Monitoring and Warning (HMW)
- Speed Limit Indicator (SLI)

Event type	Event Included
Sharp turn to the left/right	LDW
Speeding	SLI
Collision with a vehicle	FCW/UFCW
Collision with a pedestrian	PCW
Headway too close	HMW

5.2 How to View Mobileye Reports

1. Visit http://ms03.trackingmate.com/, and log in to the tracking platform.
2. On the main interface, choose **Reports**.
3. On the page that is displayed, choose **Driver Profile Chart (Mobileye)** or **Driver Profile (Mobileye)** from **Use Normal**.



5.3 Mobileye Reports

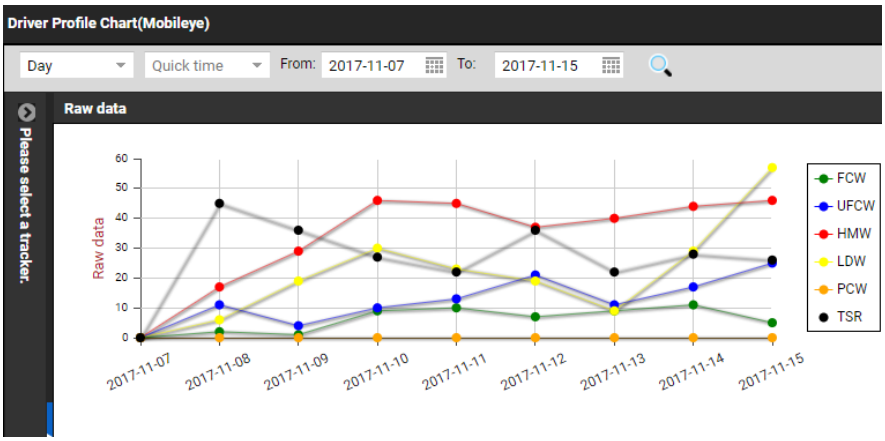
5.3.1 Driving Risk Report

The driving risk report includes:

- Raw data report
- Fleet driving risk comparison report
- Alert event statistics pie chart
- Alert event statistics per 100 km/h

5.3.1.1 Raw Data Report

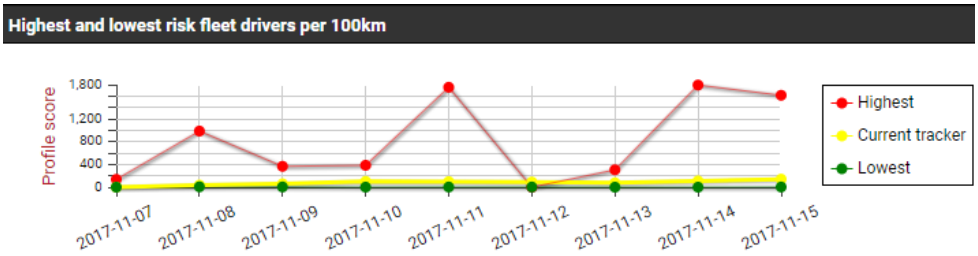
This report shows the number of alert events for a specific driver during the driving every day, which will provide reference for monthly driving behavior scores.



5.3.1.2 Fleet Driving Risk Comparison Report

This report shows the driving behavior scores for a specific driver every day and the comparison between the highest driving behavior scores and the driving behavior lowest scores in the whole fleet. The yellow curve represents the current driver, the red curve represents the driver with the highest driving behavior scores in the whole fleet, and the green curve represents the driver with the lowest driving behavior scores in the whole fleet.

Note: The higher the score is, the higher the driving risk is.



5.3.1.3 Alert Event Statistics Pie Chart

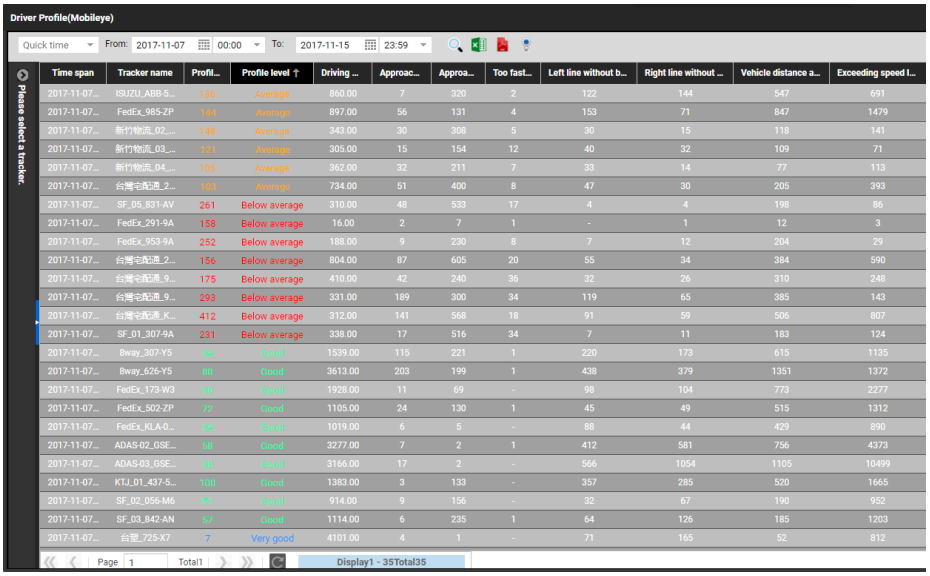
This report shows the percentage of alert events for a specific driver during a specific time period. From the following figure, the percentage of speeding alerts is the highest.

5.3.1.4 Alert Event Statistics per 100 km/h

This report shows the comparison between the number of alert events per 100 km/h for a specific driver during a specific time period and the average values of alert events for all drivers in the fleet.

5.3.2 Driving Risk Assessment Report

This report shows the number of alert events, total mileage, driving risk scores and driving risk assessment for all drivers in the fleet during a specific time period. There are 3 types of driving risk assessment: risk higher than fleet average level, risk equal to fleet average level and risk lower than fleet average level.



If you have any questions, do not hesitate to email us at info@meitrack.com.