# "MOBILEYE® SHIELD+™ V4 w/ APAS" OPERATOR REFERENCE



### LEFT SIDE DISPLAY w/ APAS\*



No pedestrian or cyclist threat on left side of moving bus.

With pedestrian / bicyclist in proximity of moving bus the external audio message is 'Caution Bys Aproaching.



Yellow solid illumination with no-

Informs the operator a pedestrian or cyclist has been detected near the left front or left side of bus.

Operator should exercise additional caution until verifying that the DETECTION danger of collision has passed.



Red flashing with beeping sound. Informs the operator a pedestrian or cyclist has been detected in the left front or left side of bus and collision is imminent. Operator should take action to

carefully stop bus to avoid collision

\* Advanced Pedestrian Alert System



## **CENTER DISPLAY & EYEWATCH**



Contains the Pedestrian Display and EveWatch.

The EyeWatch readouts and explanations can be found below on this document. No pedestrian or cyclist threat

in front of moving bus. Illuminated green LED indicates system operational



Yellow illumination with no Indicates a pedestrian or cyclist

is in front of the moving bus or coming towards the moving bus. Operator should exercise additional caution until verifying that the danger of collision has passed. Illuminated green LED indicates system operational.



Red flashing with beeping sound. Indicates a pedestrian or

cyclist is in front of the moving bus or coming towards the moving bus and collision is imminent. Operator should take action

to carefully stop bus to avoid collision.

Illuminated green LED indicates system operational.



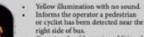
#### RIGHT SIDE DISPLAY w/ APAS\*

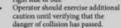


No pedestrian or cyclist threat on

right side of moving bus. With pedestrian / bicyclist in proximity of moving bus the

external audio message is 'Caution Bus Approaching







right side of bus and collision is

Operator should take action to carefully stop bus to avoid collision

Advanced Pedestrian Alert System

## EYEWATCH READOUTS FOR VEHICLE DETECTION ONLY





bus at 0 speed.

Illuminated green LED in center display indicates. system operational (See Center Display and EyeWatch).



Speed Limit Indicator (SLI) Appears when the bus is traveling at least 5 MPH (adjustable) over the last posted speed limit sign.

Two vertical white hash lines on each side of the Eyewatch will appear with a white number indicating miles over the last posted speed limit .

Operator should reduce speed to keep within the speed limit.



Headway Monitoring (HMW) Appears as green car.

Indicates detection of a vehicle in the path of the bus.

No number shown if bus is traveling a safe distance behind the vehicle in front or when bus is traveling below 19 MPH.



Headway Monitoring (HMW)

The 2.5 indicates the seconds until a collision could occur if the front vehicle were to come to a stop.

if time to collision falls below preset seconds and car turns red.



Appears as green car and number. Indicates how far the vehicle in front of the bus is in seconds.

Operator is advised to reduce speed

Has a chime sound (optional).



Headway Monitoring Warning CHIMINA

Appears as a red car with an audible chime

Indicates the distance between bus and vehicle in front has fallen below a safe threshold.

Operator is advised to reduce speed to increase distance to a



Urban Forward Collision Warning (UPCW)

Virtual bumper set as follows: Without bicycle rack - 39"

With bicycle rach - 78" (2m) Visual and audio chime whem approaching stopped vehicle. Active at 0.6mph.



Forward Collision Warning

Appears as flashing red car with a high pitched beeping sound. Indicates rear end collision is

imminent. Operator must stop the bus immediately.