

# Perfect Vision

## NON-Tag Based — PWAS



### Functionality Description:

The system is based on 24GHz MMW radar if it detects any obstacle in 180-degree range of 7m to 15m it will engage the alarm to alert the operator. The visual reference of any detected object can be seen with camera feed for precautionary operations of the equipment.

### Installation Procedure:

- Mount the main controller to a horizontal or vertical position at any suitable position in the cabin
- Mount Sensor behind the equipment at proper sensing position.
- Connect Sensor and main controller with provided 10m Aviation Cable.
- Connect the power cable to the ACC signal wire.
- Mount the Monitor to any proper visual point which is not affecting the driving vision.
- Connect power connection to the ACC signal wire.
- Connect Aviation cable connector with LCD monitor Channel input.
- Mount Camera to the user assigned location.
- Adjust the angle for a clear vision.

### Device Features & Specifications:



● Data logger with 1 Million Event Record



● SBC based integrated System



● 24GHz MMW radar



● Controlled Beam Pattern



● User-Defined Detection Range (7m to 15m)



● USB Slot for easy access of data



● Mobile Application for Range Update and Data Download



● Power Input (12VDC to 60VDC)



● IP68 Robust Covering with operating Temperature of 90 Degree C

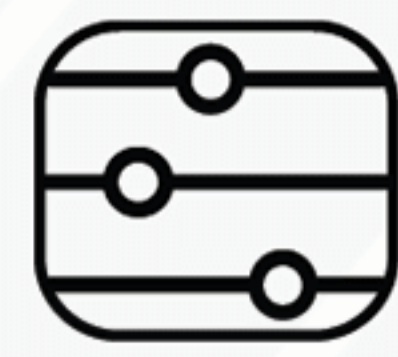


● Front and Rear Camera with IP69K rated with -20C to 80C Operating temperature



● 10-inch AHD Quad LCD Monitor

## Technical Specifications:



	Parameter	Details
1	 RF Frequency	24GHz MMW
2	 Sensing Range	1m to 15m
3	 Power Input	12VDC to 60VDC
4	 Operating Temperature	-30 C to 80 C
5	 Power Indicator LED	Yes
6	 Reverse Voltage Protection	Yes
7	 Buzzer	Yes (Adjustable max 85db)
8	 BLE	4.2
9	 WIFI	IEEE 802.11 b/g/n/ac wireless
10	 Housing Material	PVC
11	 Dimensions	170mm x 120mm x 43mm
12	 Sensor Interface	4 Pin Aviation Connector
13	 Protection Class	IP68

## Package Contains:

