

SmartEye™ Detect Visual Pedestrian Detection System Datasheet



Overview:

The SmartEye™ Detect utilises cutting edge AI technology to prioritize pedestrian safety around material handling equipment. The advanced AI algorithm detects moving and static pedestrians, in real time, and alerts the material handling equipment operator of the presence of such hazards. This ability makes the SmartEye Detect one of the most advanced pedestrian detection systems available. The system is usually installed with one rear facing camera however it can also be integrated to accommodate side and front facing cameras to give complete 360° coverage around the vehicle. When a pedestrian is detected, a signal is sent in real time to the monitor to visually and audibly alert the operator on the impending danger. This system does not rely on the use of any wearables like tags or high visibility vests to detect pedestrians.

Specifications:

Camera

Temperature Range (°C):	95 x 60 x 70 mm
Resolution:	1920 x 1080P
Frame Rate:	25 or 30
Video Output:	AHD (1.0Vp-p, 750hm)
Viewing Angle - Front/side view:	52° (Horizontal)
Viewing Angle - Rear view:	140° (Horizontal)
Communication Interface:	USB 2.0
Cable Length:	3 m
Power Supply:	DC 10V - 32V
Power Dissipation (12V IN):	IP69K
Operating Temperature:	20~+70°C
Storage Temperature:	-30~+80°C
Vibration Resistance:	5.9G



Display Large - 10.1"

LCD Size:	10.1"
Resolution:	1920x1080 (1080P)
Outer Dimension:	267 (W) x 159.5 (H) x 30 mm (T)
Viewable camera Feeds:	Multi Feed
Operating Temperature:	-20~+70°C, RH 90%
Storage Temperature:	-30~+80°C, RH 90%
Screen Type:	Capacitive Touch
Volts:	10 - 32V
Consumption:	MAX 25W
Anti-Vibration:	3g (Center mount bracket) / 7g (U-support bracket)

