

# PEDESTRIAN DETECTION CAMERA

Differentiates between  
people and obstacles

Detects pedestrians

Records critical data to assist with insurance claims

Lower risk and assist with Target Zero

No need for tags or high visibility vests

Audible and visual alert



**SafePath AI**  
AI Vision for Safer Paths



# SafePath AI

AI Vision for Safer Paths

## Brief Product Description

SafePath AI is an advanced pedestrian detection and warning system designed to prevent accidents in busy industrial and urban environments. Using AI-powered vision, it accurately detects pedestrians and non-motorized vehicles within critical proximity, issuing both visual and audible alerts to operators. Built for reliability in harsh conditions, SafePath AI helps businesses protect people, reduce incidents, and maintain operational efficiency.

### AI DISTINGUISHES BETWEEN OBJECTS AND PEDESTRIANS



ADJUSTABLE COVERAGE ZONES

## AI Pedestrian Detection Camera System

The AI Pedestrian Detection Camera System utilises up-to-date technology to help operators be more aware of pedestrians.

The AI Camera Safety System comprises a ruggedized AI Intelligent Video Analysis Tech wide-angle camera, 7" HD monitor, and a high-quality external siren for audio alerts.

With its robust and durable enclosure, this AI Camera Safety System has been designed to ensure reliable operation in the most demanding warehouse & industrial conditions and meeting IP69 water resistance standards.

Through the algorithm, the image captured by the AI camera is carefully calculated to analyze whether there are humanoid and vehicle objects, and the humanoid and vehicle type are accurately positioned, thereby generating an alarm.

Through the NPU analysis of the objects in the image, it can effectively filter the shaking of branches and the movement of animals, light changes, etc., to improve the alarm accuracy.



### Benefits

- No tags required for pedestrians
- Continual recording facility
- Up to 360-degree coverage
- Smart detection algorithm, high accuracy
- Lower risk and assist with target zero
- Can help to increase site efficiency
- Helps protect against vehicle and pedestrian incidents
- Robust and hardwearing
- Can be installed on any handling equipment or vehicles
- Distinguishes between objects and pedestrians
- Audible and visual alert both internal and external options



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## AI Pedestrian Detection Audible & Visual Warning System

Display Screen	7-inch IPS Screen	
Resolution	1024 x 600	
Video Input	2 CH CVBS / AHD 720P / 1080P	4 CH CVBS / AHD 720P / 1080P
Display Mode	Single Image Display	Quad Image Display
AI Pre-warning signal input	●Green light - Safe, ●yellow light - Caution, ●Red light - Danger	
OSD Menu Functions	Mirror/normal image setting, reverse delay setting, trigger priority, multilingual support	
Color System	PAL/NTSC (AUTO)	
Waterproof Rating	IP69K	
Video Recording Format	-	AVI
Video Recording Capacity	-	Supports 16-512GB TF cards (Standard 64G)
Video Recording Function	-	Real-time recording
Brightness	600 (cd/m <sup>2</sup> )	
Contrast Ratio	800:1	
Surge and Load Dump Protection	ISO16750-2 Standard (24V System U <sub>s</sub> =174V, R <sub>i</sub> =4Ω, t <sub>d</sub> =350ms)	
Operating Temperature	-20°C to +70°C	
Storage Temperature	-30°C to +80°C	
Operating Voltage	DC11-32V	
Vibration Level	GB/T 2423.56-2023 Standard (Random 5G Vibration)	
Dimensions (L x W x T)	210 x 143 x 84mm	
Weight	800g	

HD AI Pedestrian Detection Audible & Visual Warning Camera	
Image Sensor	1/2.9 Color CMOS
Effective Pixels	1920 x 1080
Horizontal Resolution	1080P
Field of View	100°
Audible Warning	Buzzer
Detection Targets	Pedestrians/non-motorized vehicles
Detection Image Ranging	0-5 meters (customizable)
Signal-to-Noise Ratio	≥48dB (AGC Off)
Video Output	AHD 1080P
Housing Material	Aluminum alloy
Waterproof Rating	IP69K
Operating Voltage	DC 12V ±10%
Operating Temperature	-20°C to +60°C (RH95% Max)
Storage Temperature	-30°C to +70°C (RH95% Max)
Vibration Resistance	GB/T 2423.56-2023 standard (random 5G vibration)
Body Interface	4-core aviation connector
Product Dimensions	74(W) x 64(H) x 56(D) mm