ADA CAM

For more safety when maneuvering

Camera System with Person Recognition ADAS

The ADA CAM provides HD images of critical areas around the vehicle. The integrated deep learning technology, detects pedestrians and cyclists. It sends out real-time audible and visual alerts and can be connected directly to standard monitors without the need for another control box. This leads to more safety when maneuvering.

HD Quality Images

The camera for detecting pedestrians displays the areas around the vehicle in HD quality and reacts in less than 200 ms even in the most varied lighting conditions.

Deep-Learning Technology

The AI Camera detects pedestrians and vehicles in real time and warns the driver acoustically and visually. This active support improves awareness of the vehicle's surroundings, which can prevent collisions.

IP 69K

Designed for rough conditions, the camera is resistant to high-pressure cleaners according to protection class IP 69K.

Configuration via WiFi

The camera can be configured via any standard end device, such as tablet or cell phone via WiFi using the browser.

Vibration Resistance

The camera withstands shocks of up to 5,9 G and has been tested and validated according to ISO 16750.3.

Detection Range

The detection range of the camera is adjustable between 0,5 and 10 m and can thus be adjusted perfectly to the respective requirements.
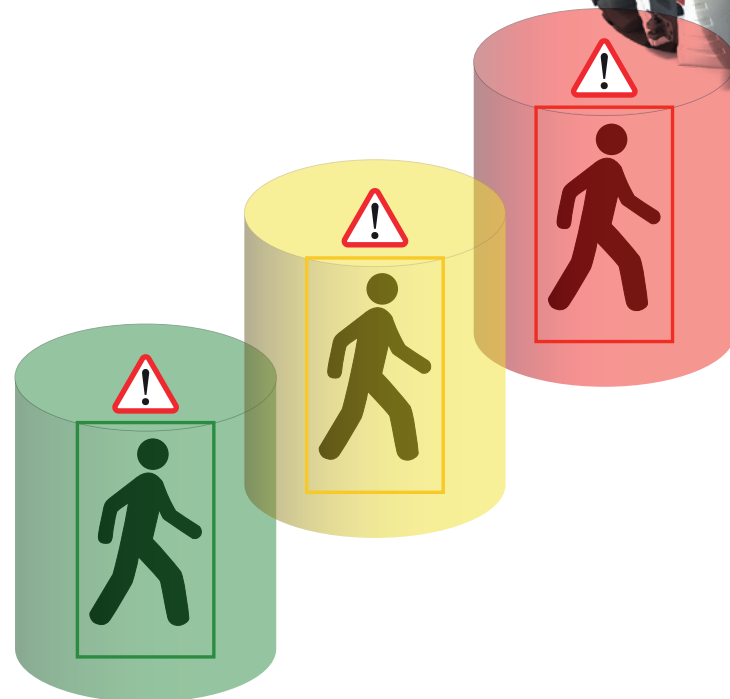
Our vision … is safety!

Pedestrian Detection

The intelligent HD pedestrian detection system uses deep learning technology for intelligent and accurate pedestrian detection. It supports the detection of individual body parts such as head, arms and legs.

Pedestrians are also detected in body postures such as squatting or bending.

Technical Data ADA CAM 140P/150P/170P

Measurements (W x H x D)	95 mm x 70 mm x 60 mm
Weight	ca. 400 g
Housing	Aluminum die casting salt restistant powder coated
Operating Temperature	-20 °C to +70 °C
Operating Voltage	DC 10 V - 32 V
Power Consumption (12 V)	320 mA (without IR)
Video Format (W x H)	1920 x 1080 Pixel
Video-Output	AHD:1.0 Vp-p / 75 Ohm
Protection Class	IP 69K
Sensor Resolution	1920 x 1080 Pixel
Color Fidelity	Automatic white balance
Vibration Resistance	5,9 G
Aperture Angle	140°/150°/170°
Light Sensitivity	0,1 Lux (Day) 0 Lux (with IR)

Technical Data HD 7" Quad-View Color Monitor

Measurements (W x H x D)	203 mm x 112 mm x 28 mm
Weight	1.600 g
Housing	ABC Plastics
Resolution	1024 x 600 (RGB)
Viewing Angle	up / down / left / right: 85° / 85° / 85° / 85°
Display Split Screen Function	Up to 4 Cameras simultaneously also PIP display
Camera Inputs	4 Camera-Video Inputs
Brightness	600 cd / m²
Contrast	700:1
IP-Protection Class	IP 40
Operating Temperature	-20 °C to +70 °C, RH 90%
Storage Temperature	-30 °C to +80 °C, RH 90%
Vibration Resistance	2,1 G
Operating Voltage	10 V – 32 V
Power Input	Max. 25 W
Features	Adjustable auxiliary lines available

The detection zones

Three warning zones can be freely configured to warn of detected persons.

These can be transmitted as an overlay with the HD image of the camera. The depth of the individual zones can be adjusted. If required, the warning can also be reduced to one zone. A warning box around the detected pedestrian can also be displayed.

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MEKRAtronics

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