

Vehicle Infrared Thermal Imaging Camera

This HD vehicle infrared thermal camera uses passive infrared (PIR) technology to detect pedestrians. It works with HD monitors to display real-time infrared images, providing drivers with clear vision and enhanced safety.



ADDITIONAL IMAGES



Product Overview

Enhanced Safety and Visibility

This HD vehicle infrared thermal camera utilizes passive infrared (PIR) technology to significantly improve driver safety. By providing real-time thermal imaging, it allows for the clear detection of pedestrians even in low-visibility conditions. The system is designed for high stability and reliable performance, making it an essential tool for modern vehicle integration and situational awareness.

Key Features

Highlights

PIR Technology, Pedestrian Detection, IP69K Waterproof, Low Power Consumption, High Stability

Imaging Specifications

Performance Metrics

384 px

Horizontal Resolution

288 px

Vertical Resolution

17 μ m

Pixel Size

13 mm

Focal Length

Technical Details

Technical Specifications

Property	Value
Detector Type	Uncooled VOx Microbolometer
Spectral Band	8~14 μ m
Focusing Method	Fixed focal length
Field of View	28° x 21°
Spatial Resolution	1.3mrad

Power and Environment

Power & Environment

- Power Supply: DC 12V \pm 10%
- Power Consumption: <500mW (correction+with heating function on <5W)
- Camera Waterproof Rating: IP69K