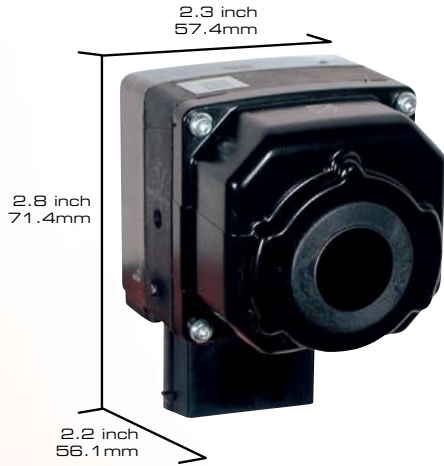


PathFindIR™

Revolutionary Vehicle Vision System





**PathFindIR
Revolutionary Vehicle Vision System**

The PathFindIR is a compact thermal imager designed for vehicle applications. It is hermetically sealed against harsh environmental conditions. PathFindIR is an autonomous, stand-alone camera system that can be installed on virtually any vehicle platform quickly and easily.

Applications

- Collision Avoidance
- Emergency Response Vehicles
- Aftermarket Retrofit
- Over The Road Trucking
- Recreation Vehicles
- Locomotive and Rail Vehicles
- Military Vehicles and Convoys



Features

- High-resolution Thermal Imager
- High impact window
- Automatic image optimization
- Automatic window heater
- It's Thermal not active IR
- Standard video output
- Compact size
- Hermetically sealed
- Easy to install

Benefits

- See clearly in total darkness, further than with headlamps alone, through light fog, smoke, and dust with the same technology used by the U.S. Government
- Provides unmatched reliability
- Advanced image processing provides crisp clear images of the scene in front of you
- Provides optimum performance in cold weather
- Passive technology works day and night, and is unaffected by ambient light sources like oncoming headlamps
- Works with all common monitor types
- Easy, covert installation in a variety of locations
- Developed and tested for automotive applications
- Two M4x0.7 threaded slots for easy mounting, standard video output, 12V power all make the PathFindIR an easy to install aftermarket product





Without FLIR



With FLIR



Without FLIR



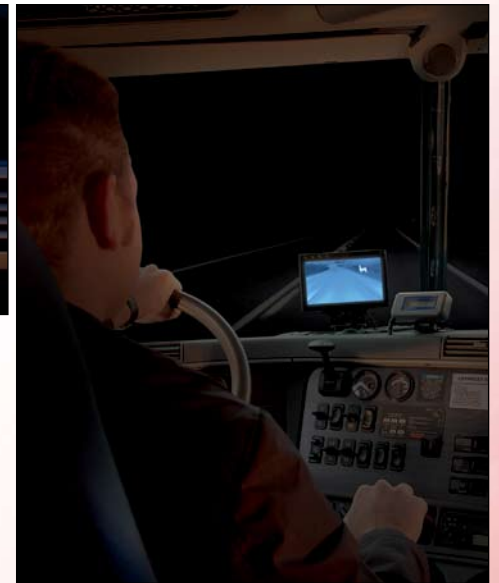
With FLIR



Grill mounted PathFindIR



OEM Monitor



Aftermarket Monitor

The PathFindIR is a low-cost thermal imager with performance and environmental qualifications that can't be found at twice the price. PathFindIR features a 320 x 240 uncooled, long-wave imager with excellent thermal sensitivity, and a 36° field-of-view for outstanding situational awareness. Its lens is coated to resist the salts and spray commonly encountered in vehicle applications, and it has a heated lens element to prevent condensation.

Small and light-weight, the PathFindIR fits easily into manned and un-manned vehicles alike, regardless of potential space, weight, or power limitations. The system operates hands-free and is easy to integrate, with a simple "power in, video out" interface. It uses automotive-grade connectors, and provides a standard video output allowing display on low-cost multi-function monitors. PathFindIR uses FLIR's proprietary automatic image optimization algorithms, providing image clarity and detail normally found on more expensive, complex systems.



PathFindIR Range > 2,000 ft

PathFindIR

Thermal Imager

Sensor Type	320 x 240 Uncooled Microbolometer
Field-of-View	36° H x 27° V
Spectral Band	8-14 microns (LWIR)

Outputs

PART NUMBER	VIDEO	FRAME RATE	APPLICATION
334-0001-00	Standard NTSC	30 HZ	U.S. or License
334-0001-00S	Low Rate NTSC	7.5 HZ	EXPORT – No License
334-0001-00P	Standard PAL	25 HZ	U.S. or License
334-0001-00PS	Low Rate PAL	8.3 HZ	EXPORT – No License

Power

Power Requirements	12 VDC
Power Dissipation	<2W

Environmental

Operating Temperature	-40°C to 80°C
Weather Resistance	Hermetically Sealed, Automotive Certified connector
Window	High Impact-Resistance with Built-in Automatic Heating Element

Dimensions/Weight

PathFindIR	71.4mm x 57.4mm x 56.1mm (2.8" x 2.3" x 2.2")
Optional Connector	28.7mm (1.1") connected from bottom
Weight	360 grams (0.8 lbs)

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