



Transportation Applications



Law Enforcement and Emergency Response Applications



Mining Applications

PathFindIR II Driver Vision Enhancement System

Automatic Pedestrian and Animal Detection

The PathFindIR II includes the logic to automatically detect people and animals. Both are highlighted on-screen by a yellow box, alerting you to their exact position and clearly identify them in the midst of hectic scenes or while driving.



PathFindIR II is a powerful thermal night vision system that lets you see road hazards clearly in total darkness, detecting and alerting you to nearby vehicles, people, and animals.

- Rugged design
- Simple installation
- Affordable price
- Optimized for driving applications

Headlights usually only let you see about 450' straight ahead, but PathFindIR II sees heat not light, so you can see everything in front of you up to four times farther down the road. Now you can see clearly, night and day, in good weather and bad, without being blinded by the glare of oncoming headlights.

Unique in the industry, PathFindIR II is an automotive-qualified system that is hermetically sealed, rated to IP-69, with an integrated, automatic window heater. It uses 12 VDC input power, and standard NTSC video is output for compatibility with most monitors or displays.

PathFindIR II is based on a 320x240 thermal camera system with a 24° field of view. The camera operates in complete darkness and at temperature extremes of -40 °F to 175 °F. It also has a built-in lens heater that activates automatically at temperatures below 40 °F to keep the lens clear of frost and ice.

Specifications

Thermal Imager

Sensor Type	320 x 240 Uncooled Microbolometer
Field-of-View	24° (h) x 18° (v)
Spectral Band	8-14 microns (LWIR)
Sealed Design	IP69 rated, hermetically sealed providing extra insurance in all weather conditions
Outputs	NTSC

Power

Power Requirements	12 VDC
Power Consumption	2 W (6 W w/heater on) 1.8 A max. system current
Spectral Band	8-14 microns (LWIR)

Environmental

Operating Temperature	-40°C to 80°C
Weather Resistance (Camera)	Hermetically Sealed, Automotive Qualified
Weather Resistance (ECU)	Non-Hermetic; Passenger Compartment mount required
Window	High-Impact Resistant Optic w/ Built-in Automatic Heating Element Replaceable Window

Physical

Camera Dimensions	2.6" x 3.4" x 3.2" (60 x 86 x 82 mm)
Camera Weight	0.6 lb (300 g)
ECU Dimensions	5.8" x 4.3" x 0.9" (148 x 110 x 24 mm)
ECU Weight	0.7 lb (350 g)

Standard PathFindIR II Includes:

Thermal Imaging Camera Unit, Electronic Control Unit (ECU), ECU Cable, Power/Video Cable, Manual and User's Guide



Optional Aftermarket Kit Includes:

7" LCD Monitor with bracket and sunshield, Universal Camera Mounting Bracket



Export: All thermal imaging systems are subject to export control. Standard NTSC (30Hz) and PAL (25Hz) units are subject to export restrictions and licensing by the U.S. Dept. of Commerce. Models with video frame rates at or below 9Hz do not require licensing but do require compliance with other export requirements. Please contact Aspect Technology & Eqpt Inc for details concerning export compliance.

Please call for additional information.