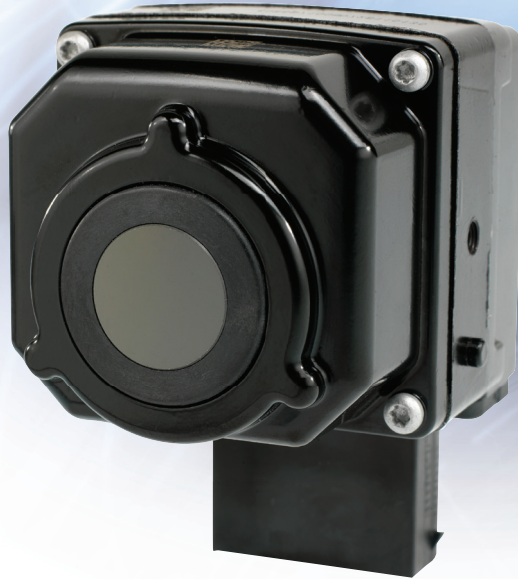


Photon PFE™

Affordable, compact, high-performance thermal camera for a wide variety of applications



Photon PFE is the ideal thermal imaging camera core for a wide variety of applications. A low-cost, full-resolution, sealed thermal camera, Photon PFE gives anyone who needs to see at night the power to see clearly in total darkness.

Built around FLIR's industry-leading VOx uncooled microbolometer technology, the Photon PFE provides unmatched image quality, contrast, and high MTBF in a compact, robust design. Environmentally sealed to automotive standards, Photon PFE is hermetically sealed and rated to IP67. Photon PFE is easy to integrate, offering simple power-in/video-out connections, and a more sophisticated LVDS signal output and LIN bus command protocol interface.

- Lets operators see people, and hazards in total darkness, through dust and smoke, from over four times farther away than with headlight illumination.
- Sealed IP67 design allows integration in a variety of applications and environments without the need for external packaging.
- High-impact front optic ensures functionality in the most demanding environments.
- Small form factor provides simple integration into a variety of systems without the need for customization.
- Outputs NTSC or PAL analog video and takes 12 VDC power input.

Photon PFE



Specifications

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
334-0001-00	Standard NTSC	30 HZ
334-0001-00S	Low Rate NTSC	7.5 HZ
334-0001-00P	Standard PAL	25 HZ
334-0001-00PS	Low Rate PAL	8.3 HZ

Power

Power Requirements	9 VDC - 16 VDC
Power Dissipation	<2W
With Heater On	<5W

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	57.4mm x 71.4mm x 84.7mm (2.3" x 2.8" x 3.3")
Weight	360 grams (0.8 lbs)



CORE BY
INDIGO



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