

2.2 - 5.5um HgCdTe Photovoltaic Detector Module, AMS3140-01



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Stock **#90-456** NEW **4 In Stock**

⊖ 1 ⊕ **\$945⁰⁰**

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Volume Pricing

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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

General

IR Photovoltaic Detection Module

Type:

AMS3140-01+EvalKit 00137003

Model Number:

Note:
Optional Signal Processing Add-On ([#90-468](#)) and Board Level USB Adapter ([#90-467](#)) Available

Vigo Photonics

Manufacturer:

Physical & Mechanical Properties

317 **Weight (g):**

1.00 x 1.00 **Size of Active Area (mm):**

30.0 x 19.0 x 10.0 **Dimensions (mm):**

1.00 x 1.00 **Active Area (mm):**

Optical Properties

2200 - 5500 **Spectral Response (nm):**

70 **Acceptance Angle (°):**

Electrical

Up to 4 MHz **Bandwidth (MHz):**

Environmental & Durability Factors

-20 to +65 **Operating Temperature (°C):**

-50 to +85 **Storage Temperature (°C):**

Additional Info

Included Components:
(1) Evaluation board, AMS3140-01 Module, (1) Flash Drive with Documentation, (1) Heatsink, (1) Adapter for Optical Posts

Regulatory Compliance

[Exempt](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 247:**

Product Details

- Built-In Preamplifiers and TEC Control Options
- Mid and Long-Wave Infrared (MMIR/LWIR) Spectral Ranges
- Evaluation Kits and Digital Interfaces for Simplified Setup and Data Acquisition

Vigo Photonics Infrared Detector Modules offer solutions that combine advanced IR detector technology with integrated electronics for simplified system integration. These compact modules feature options ranging from uncooled micro-size designs to multi-stage TE-cooled laboratory systems with programmable preamplifiers. Evaluation kits, digital interfaces, and built-in TEC controllers ensure fast setup and reliable operation across diverse environments. Vigo Photonics Infrared Detector Modules are available in configurations optimized for mid-wave and long-wave infrared, with spectral coverage from 2 to 12µm. Ideal for spectroscopy, gas sensing, industrial monitoring, and defense applications, these modules deliver high performance in flexible, ready-to-use packages.