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



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

⊖ 1 ⊕ ₹57,594

**ADD TO CART**

### Volume Pricing

|            |                               |
|------------|-------------------------------|
| Qty 1+     | ₹57,594 each                  |
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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:**

Poland **Country of Origin:**

Edmund Optics India Private Limited **Imported By:**

## Product Details

- Built-In Preamplifiers and TEC Control Options
- Mid and Long-Wave Infrared (MMR/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.