

3 - 12um HgCdTe Photovoltaic Detector Module, UHSM-I-10.6



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⊖ 1 ⊕ C\$10,878⁰⁰

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

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General

IR Photovoltaic Detection Module **Type:**

UHSM-I-10.6 **Model Number:**

Vigo Photonics **Manufacturer:**

Physical & Mechanical Properties

200 **Weight (g):**

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

72.0 x 50.0 x 56.7 **Dimensions (mm):**

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

Optical Properties

3000 - 12000 **Spectral Response (nm):**

Electrical

300Hz to 900 MHz **Bandwidth (MHz):**

Environmental & Durability Factors

+10 to +30 **Operating Temperature (°C):**

-20 to +50 **Storage Temperature (°C):**

Additional Info

(2) SMA-BNC Cables, (1) AC Adapter **Included Components:**

Regulatory Compliance

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

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

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

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.