**InGaAs HIGH SENSITIVITY NIR DETECTOR**

InGaAs high sensitivity NIR detector ISA041H2 is a NIR detector using 320 x 256 pixels InGaAs solid state imaging detector. Best suits for beam profile measurement and image processing. NIR image observation in NIR range. ISA041H2 is a standard imaging sensor for NIR beam profile measurement system in combination with Synos’ M-Scope series optics and optical beam analysis module AP013U.

**Summery of specification**

*The specification shown below is for use with the detector alone. The functions shown below may be restricted depending on the hardware/software used.*

- **Imaging device**: InGaAs image sensor
- **Spectral range**: 950nm - 1700nm
- **Pixel number**: 320(H) x 256(V) pixels
- **Sensor pitch**: 20μm x 20μm
- **Spectral sensitivity**: 25%
- **Wavelength (nm)**: 900 - 1800
- **Quantum Efficiency (%)**: 0 - 100%

**Standard component**

- Detector head : 1
- AC adapter for ISA041H2 : 1
- 12pin camera cable : 1
- USB cable for ISA041 : 1

**Dimension, weight of ISA041H2 detector head**

- Outside dimension : 56(H) x 56(W) x 98(D) mm (excluding projection portion)
- Weight : approx. 520g

**Synos**

http://www.synos.jp/