

NIR-M-T1

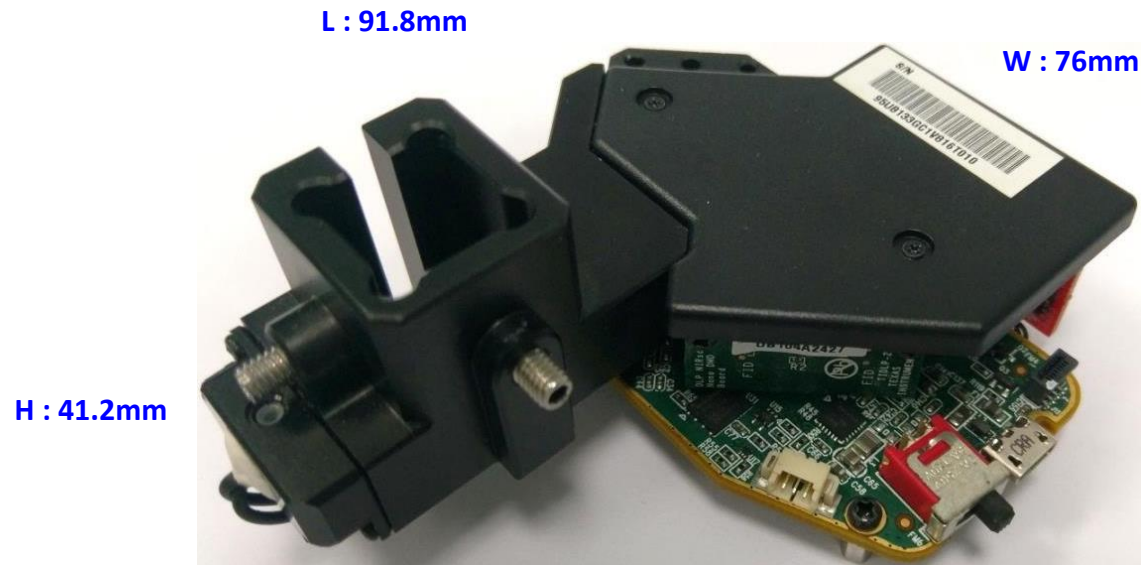
Product Introduction

2024/9/20

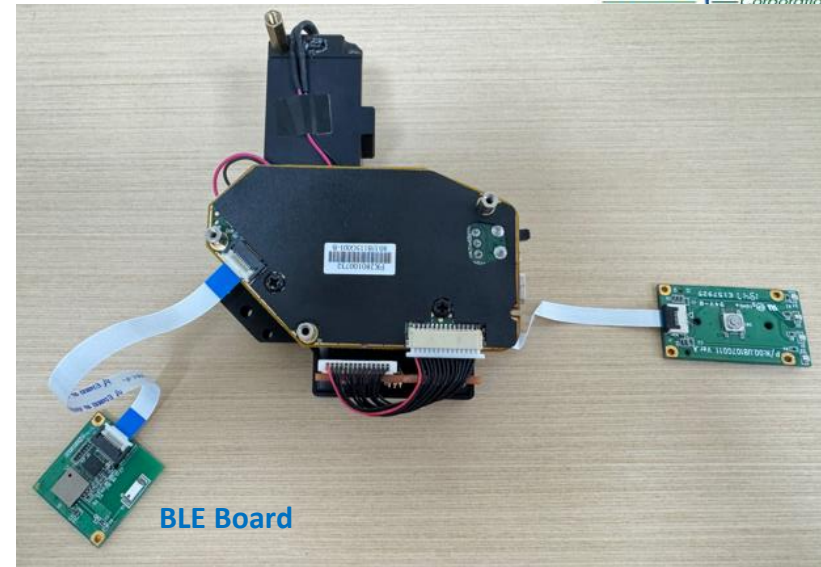
Specification

- **Wavelength range: 900~1700nm**
- **Signal-to-Noise Ratio (SNR): 5,000:1**
- **Optical Resolution: Typ. 10nm**
- **Wavelength Accuracy: Typ. ± 1 nm (verified with RM-NIR)**
- **Micro Mirror Array: TI DLP2010NIR DMD**
- **Detector: 1mm Standard InGaAs (Uncooled)**
- **Slit Size: 1.8mm * 0.025mm**
- **Scan Capability: Linear (Column) / Hadamard / Slew Scan**
- **Illumination Source: One 0.7W tungsten filament lamp**
- **Cuvette Holder: Path length=10mm, Z-dimension=4.75mm**
- **Measurement mode: Transmission**
- **Cuvette Holder : Standard 10 x 10 mm cuvette**
- **Communication Interface: Micro USB / UART / Bluetooth Low Energy (optional)**
- **Sensors: Humidity and temperature sensor**
- **Power Supply: USB (500mA@5V)**
- **Dimensions: 76mm * 91.8mm * 41.2mm**
- **Weight: < 106 g**
- **Operating Temperature: 0 ~ 40 °C, RH Max. 85%**

Appearance

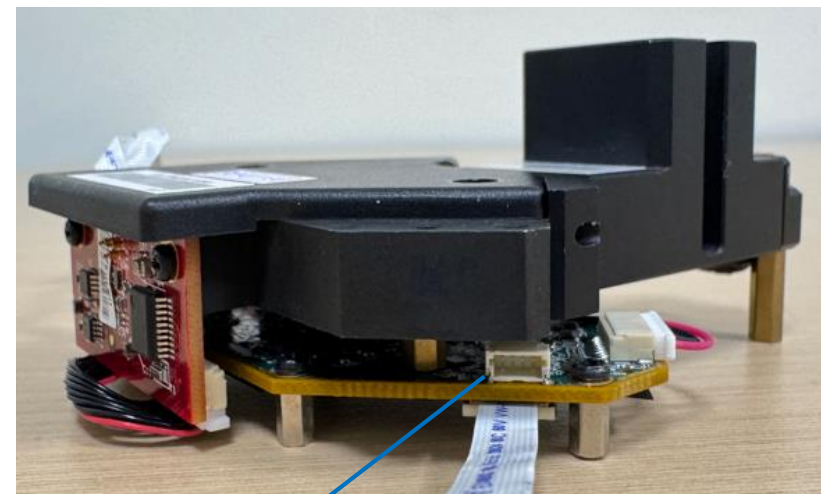


Interface



Please refer to the following documents for detailed information:

1. Transmissive module measurement guideline
2. UART interface guideline
3. OP & BLE interface guideline
4. Battery interface guideline



Thank You



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