



TEC

Temperature Control System

Description

TEC -- Unispectral Temperature Control is an adjustable system, capable of maintaining hyperspectral cameras at any stable operating temperature between 25°C and 40°C. By leveraging its built-in intelligent temperature regulation system to adjust the cameras' operating temperature in real time, it significantly reduces the environmental dependency of hyperspectral cameras, thereby expanding their application scenarios.

specifications

System

powerconsumption	12V 5A
Temperature Control Range	±1°C

Working Environment

Temperature	0 °-70 °C
Humidity	<90%
Size	114x112x150mm

System Development

OS	Windows
Develop Tools	Python/C API

Key Features

- Split compatibility design
- Working temperature: 1 ~ 70°C
- Temperature control range: 25 ~ 40°C
- Temperature control accuracy: ±1°C
- Windows platform, providing AP interface
- USB control command transmission

Adapted to Camera

- Solomon
- Monarch Pro