

# ADS2203A Photoelectric Tracking Device

Spectral range: 7.5 - 13.5 $\mu$ m

## Overview

The device is used for target detection, discovery, confirmation and tracking at a target distance of 1km to 5 km; in which can be connected to the radar system for 360-degree detection area, tracking, confirming and disposing target according to the coordinate information and start relevant emergency measurement. So as to improve the capability of airspace prevention and control.



## Key Features

- Photoelectric passive detection mode, no radiation, working day and night
- High accuracy positioning, easy to identify target types and details
- Real-time display of tracking the target
- Processing and tracking for infrared image, strong anti-interference ability

## Configurations

- Tracking host ×1

## Index Parameter

Visible light chip	45x, 50x, 55x, 65x optional
Image sensor	Sony high-performance CMOS
Image resolution	Full HD/1080P/4K UHD
Maximum frame rate	25/30fps

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3D de-noising	digital noise reduction
Focalization mode	AF, ZF, MF
4A automatic control	automatic white balance, automatic gain, automatic exposure, automatic aperture
Detector type	Uncooled Vanadium Oxide focal plane detector
Image size	336 $\times$ 256, 640 $\times$ 512 optional
Pixel	17 $\mu$ m
Spectral range	7.5 - 13.5 $\mu$ m
Thermal Sensitivity (NETD)	$\leq$ 40mk
Thermal imaging lens focus	50mm, 90mm, 25 - 100mm, 25 - 210mm optional

*Note: Information will conduct the necessary updates , the contents of this document are subject to change without notice*