Hanwei | Winsen

IoT World, Sensing Leads the Way

Flame Detection Solutions

For industrial and civil fields, the excellent detection characteristics of the flame sensor can realize early warning of fire, and escort industrial production and residents' life.

Forest Flame Detection & Pre-alarm

Smart Flame Detection Camera

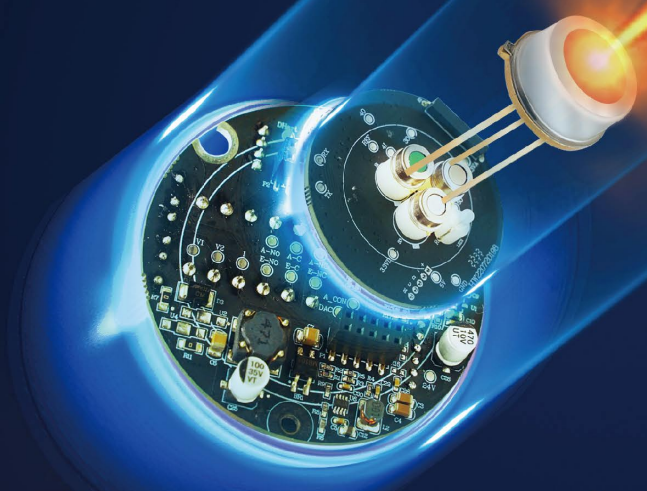
Four Core Strengths

Low false alarm, low false negative, excellent reliability

Large viewing angle, short response time, long detection distance

Easy system integration

Cost-effective



Flame Detection Infrared Sensors

Pyroelectric Flame Sensors

Module	RPTA913CC	RPTA913CD	RPTA913CE	RPTA913CF	RPTA913CG
Central wavelength (nm)	3800±40	4300±50	4400±40	4480±40	5000±40
FWHM (nm)	180±20	600±40	400±20	620±40	180±20
Light transmittance	> 90%	> 90%	> 90%	> 90%	> 90%

- High sensitivity, long-distance detection
- Large field of view, wide detection range
- Low noise, strong anti-vibration interference

Photoconductive Flame Sensors

RGF-L1212

Response wavelength range	1~3 us
Peakd wavelength	2.7 μm
Response time	200 μs
Peak normalized detection rate	$1*10^{11}$ cm·Hz^{½}/W
Dark resistance	0.3~3 MΩ
Working temperature	-30~60 °C

REF-X2212

Response wavelength range	1~5 us
Peakd wavelength	3.8 μm
Response time	20 us
Peak normalized detection rate	$1*10^{10}$ cm·Hz^{½}/W
Dark resistance	1~10 MΩ
Working temperature	-30~60 °C

- Quick response
- High detection rate
- Photosensitive area can be customized