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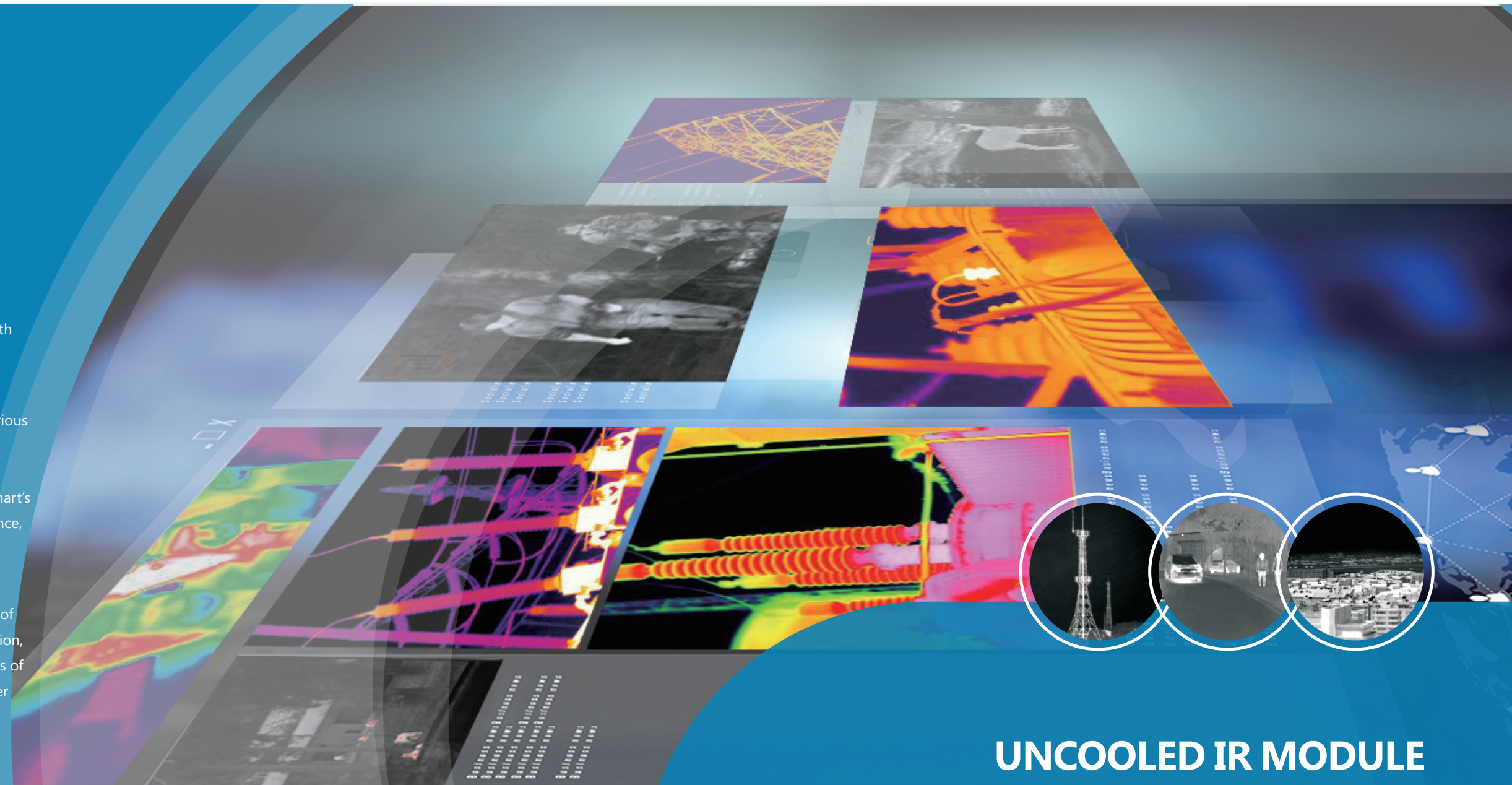
КАТАЛОГ

COMPANY

Guide Sensmart Tech Co., Ltd, a subsidiary company of Wuhan Guide Infrared Co., Ltd (SZ.002414) , was established in November 2016 with registered capital of 60M RMB, focusing on R&D, manufacturing and marketing for commercial infrared imaging products.

Sensmart is a comprehensive infrared imaging solution supplier to various industries with high performance, best service and experience. This capabilities rely on the mother companies self-innovated technologies which spanned from component to system level. At the present, Sensmart's products are applied in the industrial inspection, security and surveillance, fire fighting and rescue, law enforcement, industrial automation, smart home and consumer electronics, etc.

Sensmart is devoted to developing and popularizing new applications of infrared imaging technology. With continuous exploration and innovation, it provides intelligence solutions, expands the channels and dimensions of human perception of the world and opens the intelligent and consumer infrared era.



UNCOOLED IR MODULE



CUBE Series

Uncooled IR Module

- Powerful expansion board for different applications
- Insulation structure designed with heat emission in mind
- Excellent stability in wide ambient temperature rang
- Intelligent Image Enhancement and Automatic Gain Control
- Various lenses optional, standard interface supports self equipped lenses

	Cube417	Cube425	Cube817
Detector	400×300	400×300	800×600
Focus	Manual/Electric		
Supply Voltage	DC4.5-5.5V	DC3.3-5V	DC4.5-5.5V
Power Consumption	≤1.8W@5V/25°C	≤2W@5V/25°C	≤3.5W@5V/25°C
Operating Temperature	-40°C~70°C	-40°C~70°C	-40°C~70°C
Size(mm)	41×43.2×38.6	35×40×40	43×46.5×38.9

Focal Length

Cube417	7mm/f1.1;12.8mm/f1.0;15mm/f1.0;19mm/f1.0;25mm/f1.2;40mm/f1.2;55mm/f1.2;75mm/f1.0;100mm/f1.0;150mm/f1.0
Cube425	8.8mm/19mm/25mm/40mm/75mm/100mm/150mm optional
Cube817	8.8mm/f1.0;20mm/f1.0;25mm/f1.2;35mm/f1.2;50mm/f1.2;75mm/f1.2;100mm/f1.1;150mm/f1.2



PLUG Series

ASIC Based Uncooled Thermal Module

- Ultra-low-power, long battery life, energy conservation and environmental protection
- Standard 50pin (DF12-50DS-0.5V(86)), a variety of optional expansion boards
- Various lenses, a series of lenses with standard or customized optical interface
- Complete SDK development library for continuous iteration and optimization

Detector	400×300
Focal Length	7mm/f1.1;12.8mm/f1.0;15mm/f1.0;19mm/f1.0;25mm/f1.2;40mm/f1.2;55mm/f1.2;75mm/f1.0;100mm/f1.0;150mm/f1.0
Focus	Fixed/ Manual/Electric
Supply Voltage	DC 4-6V
Power Consumption	≤1.2W/4V/25°C(for radiometric) ≤1.0W/4V/25°C(for IR imaging only)
Operating Temperature	-40°C~70°C
Size(mm)	44.5×44.5×36.35(lens excluded)



Coin Series

WLP+ASIC Uncooled Thermal Module

- Support GST 400×300@17μm WLP infrared detectors
- Support parallel port and MIPI(1X or 2X)digital video output interfaces for RAW14,YUV422-8bit and BT.656 video format
- Support multiple data communication interfaces, including GPIO,UART, SPI,12C, etc
- Image start-up time < 1s

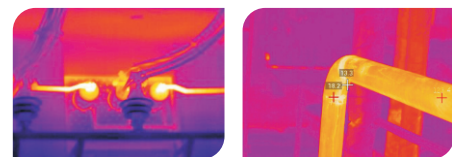
Detector	400×300
Focal Length	7mm/f1.23;12.8mm/f1.0;15mm/f1.0
Focus	Manual/Electric
Supply Voltage	DC 4-6V
Power Consumption	≤1.0W/4V/25°C
Operating Temperature	-40°C~70°C
Size(mm)	25.4×25.4mm×20.2(lens excluded)



WLP IR Module

- Mini size, easy integration
- Variable frame rate, up to 30Hz
- Low-power design (AVDD 3.6V,DVDDIO3.3V, DVDD1.8V)
- Output 14 bit RAW format image
- Support SPI/12C serial interface

Detector	256×192@12μm	120×90 @17μm
FOV	50°/25°(optional)	120°/50°/25°(optional)
Lens Type	Sulfide wafer	Monolithic crystal
Export Frame Rate	9~30Hz(variable)	1~30Hz(variable)
Operating Temperature	-20°C~60°C, extend to -40°C~80°C (for industrial application)	
Size(mm)	≤10×10×7	≤8.5×8.5×6(120°) ≤8.5×8.5×8.5(50°)



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