

ANGD

Gas Detection Infrared Camera

This gas detection thermal imaging camera uses a cooled infrared detector to provide visual observation of trace gas leaks at long distances, enabling rapid localization of the leak source. It offers visual monitoring for over 20 types of gases, including methane and ethane, and effectively monitors VOCs (Volatile Organic Compounds) levels. The device is primarily used in industries such as oil, chemical, natural gas, and power, to prevent accidents related to hazardous gas emissions and ensure safe production.



- Electrical Safety
- Safety Monitoring
- Environmental Protection
- Smart Industry
- Oil Industry
- Chemical Safety
- Natural Gas

Specifications

Visible light		
Camera Parameters	Detector	CMOS
	Electronic Shutter	1/25s-1/100,000s, Supports Slow Shutter
	Automatic Aperture	DC Drive
	Resolution	50Hz: 25fps (2688 x 1520, 2560 x 1440, 1920 x 1080, 1280 x 960, 1280 x 720); 60Hz: 30fps (2688 x 1520, 2560 x 1440, 1920 x 1080, 1280 x 960, 1280 x 720)
Optical Parameters	Frame Rate	50Hz / 60Hz
	Aperture (F)	F1.61-F5.19
	Focal length	6.6-264mm, 40x optical zoom
	Zoom Speed	4s (Optical, Wide-angle to telephoto)
	Minimum Focusing Distance	100mm-1500mm (Wide-angle to telephoto)
	Horizontal Field of View	70.0°-2.51°
Infrared		
Detector Parameters	Photosensitive Material	Indium Antimonide
	Resolution	640 x 512
	Pixel Pitch	15um
	Response Wavelength	3.2um-3.4um
	NETD	<15mk
	Default Frame Rate	25/30Hz
	Cooling Time	<6.5min @ 71°C
	Cooling Power Consumption	<20W @ 23°C
Optical Parameters	Aperture (F)	F1.2
	Focal length	30mm-90mm
	FOV	18°-48°
Interface		
Video Interface	Network Interface Type	100 Mbps Ethernet
Control Interface	Pan-tilt Control Interface	Aviation Plug
Power Interface	Supply Voltage	RS485
Overall power Consumption	Power Consumption	DC 24V
	Startup Time	<120W
		<7min
Working Environment		
Normal Status	Operating Time	24h x365, Service Life > 5years
	Operating Temperature	-40°C-55°C
	Storage Temperature	-45°C-60°C
	Operating Humidity	0-99%
	Protection Rating	IP66
	Explosion-proof Certification	ExdIBT4Gb
Overall Dimensions		
Dimensions		449 x 449 x 495mm
Other		
Supplementary lighting		Supports Visible light Supplementary lighting

Specifications



Petrochemical



Emergency Response and Environmental Protection



Electric Power and Energy



Oil Exploitation