

IPN Series

High-Accuracy Online
Thermal Camera Core

Empower the Smart Feeding



IPN256



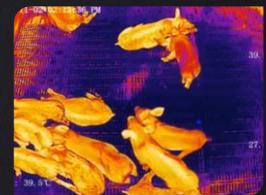
IPN384

Introduce

Equipped with an uncooled VOx detector producing, the IP67 IPN Series has an accuracy of $\pm 0.5^{\circ}\text{C}$. Utilizing the small and lightweight benefits, several protocols, multiple web access, easy-to-use SDK furthers the integration into high-level systems.

Features and Benefits

- Small and compact with "temperature measurement + IP network"
- No blackbody is required with an accuracy of $\pm 0.5^{\circ}\text{C}$
- Multiple temperature alarms (overtemperature, temperature difference, etc.)
- 10 objects (spots, lines, rectangles, polygons and circles)
- Onvif, RTSP, HTTP, SMTP, MQTT, FTP and GB28181
- SDK and API for integration into high-level systems



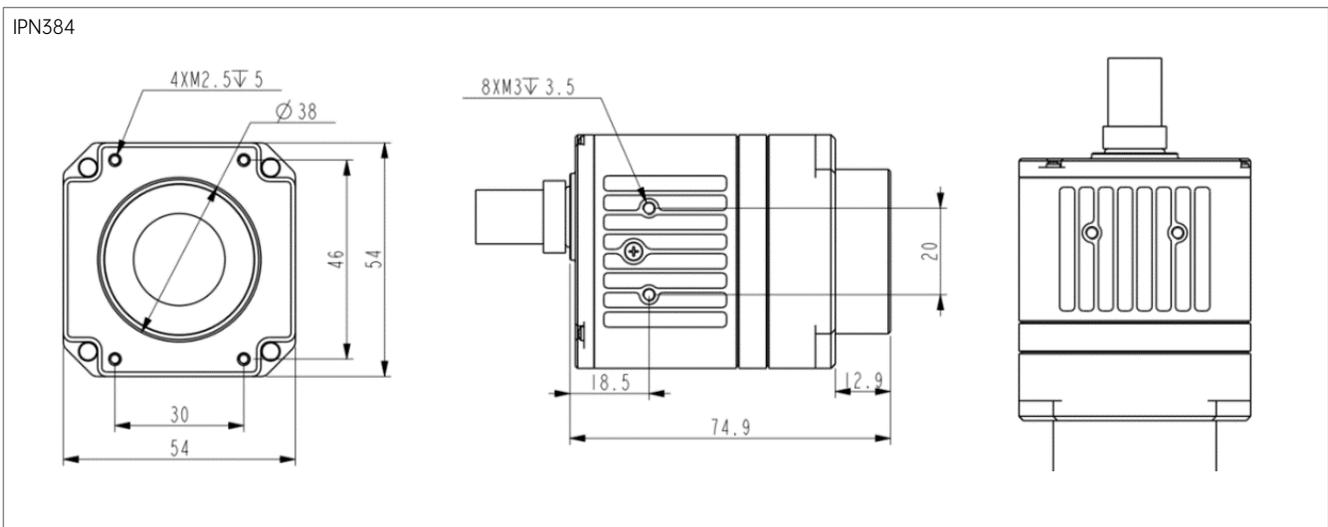
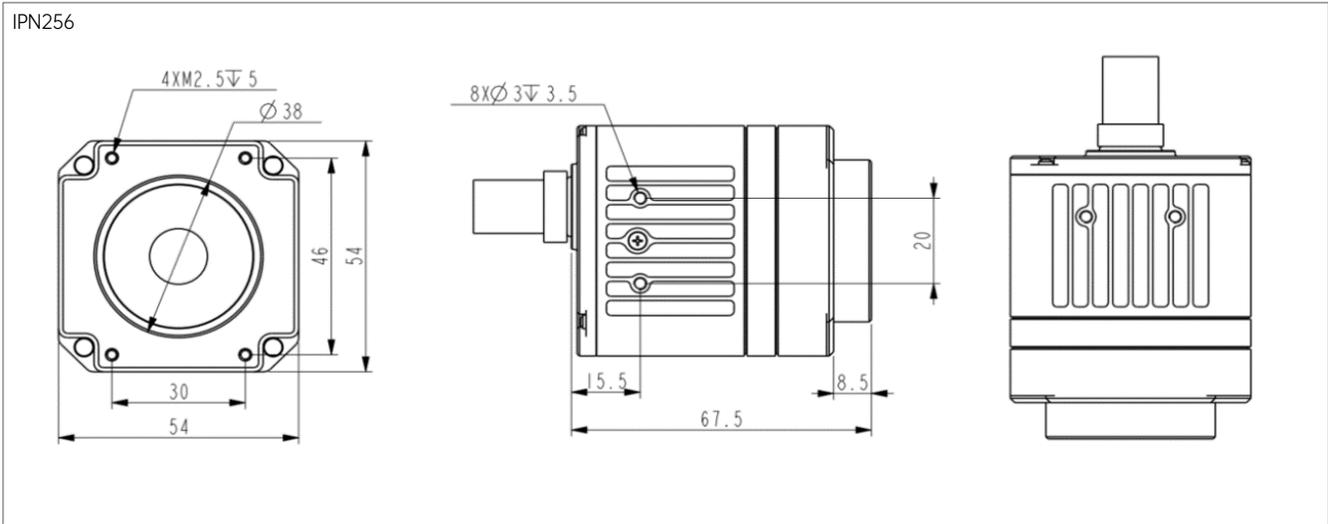
Application

- IPN series can be integrated into inspection robots for smart feeding with high accuracy and high encapsulation.

Specifications

Model	IPN256	IPN384
Thermographic		
Detector type	WLP VOx	VOx
Detector resolution	256 × 192	384 × 288
Pixel size	12μm	17μm
Wavelength range	8μm to 14μm	
NETD	≤ 45mK@30°C	≤ 50mK@30°C
Thermographic camera lenses	5.2mm, 32.91°x24.98°	7.4mm, 53°x39°
Detail enhancement	Supported	
Noise reduction	2D/ 3D noise reduction	
Pseudo colors	26 (White hot, Black hot, etc.)	
Temperature measurement		
Measurement range	25°C to 42°C	
Measurement accuracy	±0.5°C	
Target setting	10 targets (3 spots/ 3 lines/ 3 rectangles/ 1 polygon)	
Cold/ hot spot tracking	Supported	
Full-screen point temperature measuring	Supported	
Query and export of temperature measuring information	Supported	
Image		
Video compression standard	H.264	
Image coding formats	JPEG	
Code stream	256 × 192@25Hz	384 × 288@25Hz
Protocol and storage		
Network protocol	IPv4, HTTP, RTSP, TCP, DHCP, ONVIF	
SDK/ API	Open SDK/ API for software integration	
Local storage	4G EMMC	
System function		
Language version	Chinese/ English	
Browser	Supported	
User management	Max. 20 users with three levels of user accounts (Root, Admin and User)	
Fault detection	Network disconnection, IP conflict, Illegal access, storage exception	
Hardware interface		
Power interface	DC12V	
Network interface	One 10M/ 100M Ethernet port	
Alarm interface	1 input and 1 output	
Other interfaces	1-channel RS485	
Environmental		
Working temperature	-20°C to + 60°C	
Working humidity	≤ 95%, non-condensing	
Certification	CE/ FCC/ IP67	
Physical		
Power consumption	≤ 2W	≤ 2.5W
Size	≤ 72mm × 54mm × 54mm	≤ 78mm × 44mm × 42mm
Net weight	≤ 180g	≤ 230g

Structure and size



Hardware Interfaces

