

# **Edge Al-Powered Analytics**

channel needs.

Choose from a range of Al tools that integrate with existing cameras. Enable features like person tracking, occupancy monitoring, PPE compliance, smoke detection, and more, improving situational awareness, safety and efficiency.

4TB of storage, it securely handles 4K video for investigations. Optional WiFi/5G, Zigbee, and GPIO connectivity enhance its versatility. Custom hardware is available for higher

### **High-Definition Surveillance**

Experience clear imaging up to 4K resolution with local storage options. Ensure precise monitoring and enhanced visibility without constant cloud connectivity.

### Private and Secure Edge Processing

Utilize on-device computation for faster response and autonomous operation. Maintain data security and privacy compliance by avoiding the need to send sensitive information to the cloud.

### Flexible and Future-Proof Integration

Integrate seamlessly with existing IP security cameras and IoT devices. Adapt and scale with evolving security needs and Al advancements.

## **Durable, Low-Maintenance Design**

Benefit from a fanless and rugged design for indoor and outdoor use. Minimizes maintenance and eliminates routine clean-outs.

### **Secure Remote Access**

Use optional VAISense cloud portal integration or direct access URL for secure remote access to the device from any location. Enjoy instant alert management and system oversight.

## **Reduced Operational Costs**

Reduce cloud storage, bandwidth, and processing costs by leveraging edge computing, optimizing operational expenses while maintaining high performance.

#### **Available Al Applications**



VAISense

VAISense Construction





VAISense

OptiView





VAISense

VAISense Health

# **PHOENIX**



# **Key Components & Features**

Main Processor Intel Alder Lake-N N97/i3-N305

System Memory 16GB LPDDR5@6400MHz

Onboard Storage 64GB eMMC

On board Al chip DeGirum ORCA

M.2 2280 M key slot 2280 for SATA/NVMe gen3×1

2280 for NVMe Gen3×2

M.2 3042/3052 B key slot M.2 B key 3042/3052 for 4G/5G module

(reserved)

M.2 2230 E key slot (reserved) 2230 CNVi Wi-Fi/BT Module

Front I/O connector 1x Com Port for RS232/482/485(DB9)

1× 40pin GPIO connectors (SPI/PWM/UART/I2C/GPIO)

Rear I/O Connector 1×1G, 1×2.5Gb RJ45

HDMI 2.0b Tx up to 4K@60Hz 1x DP, 1x DP 1.4 via USB type C

1x DC Jack

1x USB 3.1 Gen1 Type-A 1x USB 3.1 Gen2 Type-C 2x USB 2.0 Type A

Side I/O connector Antenna SMA connector x6 including 4×5G/GPS

2x Wi-Fi/BT or 1 for Zigbee/BLE

Micro SD card slot

Button Power button with LED, Reset button

System Power 12v/19v 60/90W DC with External Power Adapter

**Enclosure Dimension** 165 × 115 × 55 mm

 $6.45 \times 4.53 \times 2.17$  in

Buzzer Buzzer

Audio Dual MEMS Mic Embedded, audio jack (in/out)

**TPM** TPM 2.0

Zigbee module Reserved

Ethernet 1× 2.5 Gigabit + 1x Gigabit

Certification CE/FCC/UKCA/BSMI/VCCI/ICES/UL/CB/ERP/WEEE/

REACH/ROHS

Operating Environment -20°C~55°C with air flow 0.5m/s

Battery RTC

Optional connectors (PCBA only) 1x EDP, 2x MIPI Camera, 1x fan

Optional Accessories VESA mount and L bracket

Thermal protection cover

### **Models**

### **Phoenix N97**

- N97 CPU
- 16GB Memory
- 2TB SSD Storage
- 1 ORCA Al Acccelerator
- 16 VAISense Security Channels

### **Phoenix N305**

- N305 CPU
- 16GB Memory
- 4TB SSD Storage
- 1 ORCA Al Acccelerator
- 32 VAISense Security Channels







