AI56L
Acoustic Imaging Camera

The HIKMICRO AI56L acoustic imaging camera is a professional product for gas leak detection. With 64 Low-noise MEMS microphones and an adjustable bandwidth range from 0 kHz to 96 kHz, AI56L provides an easy and effective way to locate pressurized air leaks in industrial environments.
By adopting this lightweight and easy-to-use tool, you can discover potential safety risks, minimize troubleshooting, and save extra costs for equipment failures and downtime.

Features

- 64 Low-noise MEMS Microphones, real-time sound source localization
- Real-time estimated leak rate, leak cost, and leak level for gas leak detection
- Analyzer acoustic software for analyzing images and export reports
- 800 × 480 Resolution, 4.3'LCD Touch Screen
- Supports 8 acoustic palettes

▪ Specification

Acoustic	
Number of Microphones	64
Acoustic Image Resolution	800 × 480
Bandwidth	0 kHz to 96 kHz, adjustable range MEMS sampling frequency: 192 kHz
Distance	0.3m~150m
Acoustic Image Palette	White Black, Black White, Rainbow, Fusion, Ironbow, Red Black, Rain, Blue Red
Camera FOV	50.2°× 35.4°
Sound Intensity Display	Peak Point
Acoustic Image Frame Rate	25 fps
Dynamic Range	Low Limit: <-15dB High Limit: >120dB
Leak Rate	>0.008 l/min @ 6 bar from 0.5 m (1.64 ft) >0.013 l/min @ 5 bar from 1 m (3.28 ft)
Discharge Detection	Automatic detection 50 / 60 Hz
Image Display	
Display	800 × 480 Resolution, 4.3'LCD Touch Screen
Screen Brightness	Manual/Auto
Digital Zoom	1.0x to 16.0x continuous
Visual Camera	2688 x 1944 (5 MP)
Data Storage and Communication	
Image Storage Capacity	20,000 images
Annotations	Voice note: max. 60 seconds; Text note: max. 255 characters
Video Storage Capacity	60 hours
Video File Format	MP4
Extendable Memory Card	Extendable 128 GB SD Card
General	
Bluetooth	Bluetooth 4.1
USB Interface	USB Type-C
HDMI Interface	HDMI-D
Battery Operating Time	Approx. 3.5 hours x3 for a total for a total of 10.5 hours
Battery Type	Interchangeable and Rechargeable Li-ion Battery
Battery Charging Time	5 hours to full charge
Protection level	IP54
Power Supply	5V DC/2A (Charging via USB)
Drop Test Height	1.2 m (3.94 ft)
Safety	IEC 61010-1
EMC	EN 301 489-1,EN 301 489-17,EN IEC 61000-6-2,EN IEC 61000-6-3,EN 61326-1
Working Temperature Range	-20 °C to 50 °C (-4 °F to 122 °F)
Storage Temperature Range	-20 °C to 60 °C (-4 °F to 140 °F)
Relative Humidity	< 95 % non-condensing
Weight	Approx. 940 g (2.07 lb)
Dimension	292.2 × 127 × 110.7 mm (11.50 × 5.00 × 4.36 in)
Tripod Mounting	UNC ¼"-20
Vibration	2g, IEC 60068-2-6

Shock	25 g, IEC 60068-2-27

▪ Available Model

HM-AP56-W/W-AI56L

▪ Dimension

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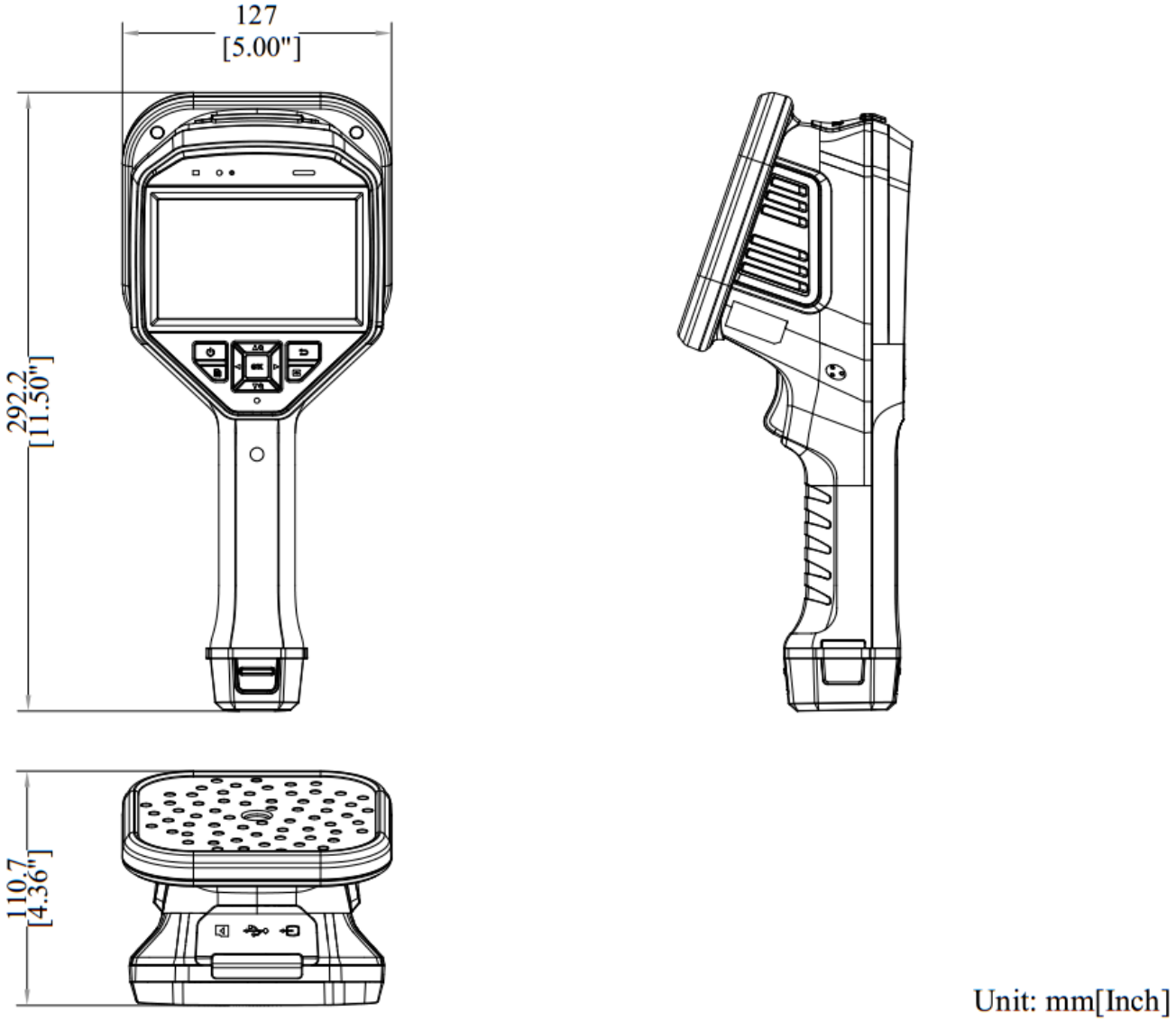
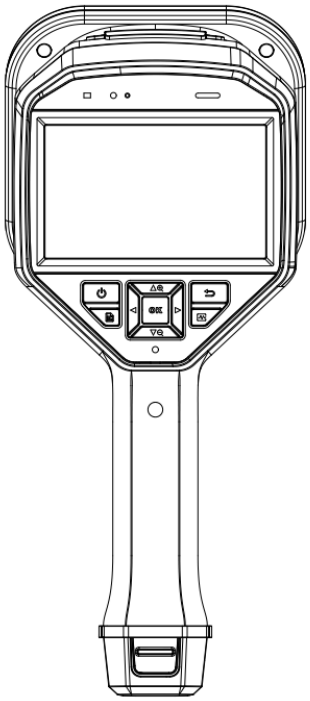
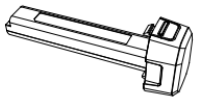


Unit: mm[Inch]

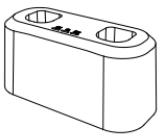
▪ Packaging List



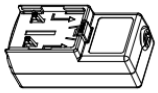
Acoustic Imaging Camera (X1)



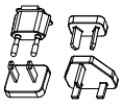
Battery(x2)



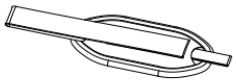
Charging Base(x1)



Power Adapter(x1)



Adapter(x4)



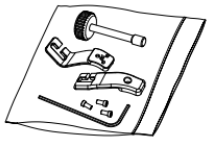
Hand Strap(x1)

USB Cable(x1)

HDMI Cable(x1)

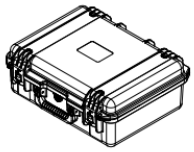
SD Card (X1)

MIC protective case (X1)



Accessories bag(x1)

Quick Start Guide(x1)



Carrying Case(x1)

▪ COMPLIANCE NOTICE:

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HIKMICRO

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*Note: Specifications are subject to change without notice. For the current specs, please go to www.hikmicrotech.com