



HIKMICRO Analyzer Acoustic
PC Client (V1.1.4)
Release Notes

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1 Introduction

The HIKMICRO Analyzer Acoustic PC client is used to view and analyze images captured by HIKMICRO acoustic imaging cameras.

The acoustic imaging camera as a professional sound detecting and imaging product can easily locate gas leak and partial discharge incidents in industrial environments.

The client analyzes the acoustic images for problem and potential risk detecting and locating, which is helpful in reducing trouble shooting cost, and extra cost from device breakdowns.

This document introduces new features in V1.1.4 of the PC client.



The images used in this document are for demonstration only. Please refer to the actual software.

1.1 Version information

Item	Description
HIKMICRO Anlayzer Acoustic	V1.1.4.3
Acoustic Imaging Camera Firmware Version	Experience the full analysis function with images captured by AI56 or AI76 of V5.5.108. Certain new features may not be available for images captured by acoustic imaging cameras of early firmware versions.

1.2 Running environment

Operating System


- Microsoft Windows 7/Windows 8.1/Windows 10 (64-bit operating system)
- Windows server (64-bit operating system)

CPU: i5-4590 or above

RAM: 4G or above

Graphics Card: RADEON X 700 series 256M or above

1.3 User manual

Click  on the top-right corner of the client interface to get user manual.

2 New Features

2.1 Industrial frequency is displayed in Analysis panel

In this version, imported snapshots in PD mode show the industrial frequency value of the observed targets in **Analysis** panel.



Industrial Frequency refers to the working electrical frequency of the observed targets. It affects detection accuracy and **ONLY** supported in PD mode.

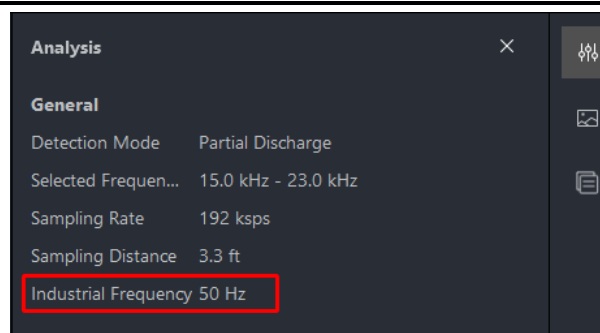
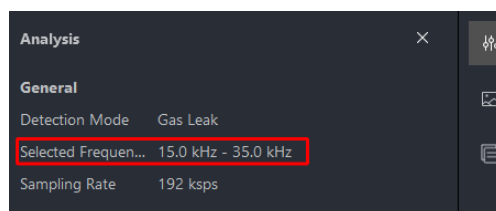


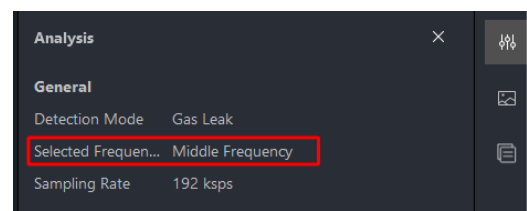
Figure 2-1 Industrial Frequency Information

2.2 Selected frequency range info in Analysis panel is updated

In this version, **Low Frequency**, **Middle Frequency** and **High Frequency** are added to selected frequency range in **Analysis** panel, instead of a specific value.



Before



After

When the selected frequency range of the imported picture is **Low Frequency**, **Middle Frequency** or **High Frequency**, the FFT diagram ranges between 0 and 96 kHz

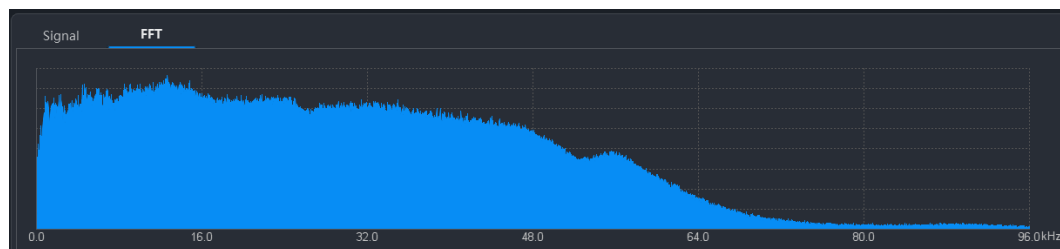
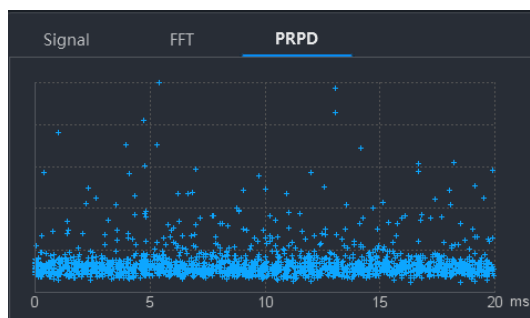


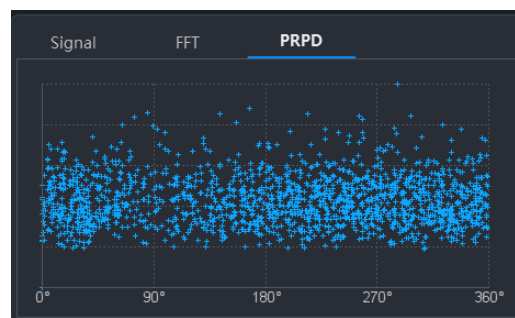
Figure 2-2 FFT Diagram

2.3 The X-axis coordinate of PRPD diagram is updated

In this version, the X-axis coordinate of PRPD diagram ranges between 0 and 360 degrees.



Before



After

3 Optimization

- The built-in algorithm of LD mode is updated, and **Leak Type** settings in **Analysis** panel is removed.

4 Legal Information


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About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the HIKMICRO website (www.hikmicrotech.com).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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