

SONAVU +

BRING RELIABILITY INTO FOCUS



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For millennia, humans have relied on a keen sense of sight and sound to alert us of danger. These same senses warn us when our assets fail.

SonaVu+ brings new functionality to **Acoustic Imaging Technology**, blending auditory & visual senses like no camera before. SonaVu+ boasts many improvements to sensitivity, detection distance, quality, performance, durability, and user-interface - all at an accessible price.

SonaVu+'s reporting application, **InSights™** makes uploading, storing, organizing, analyzing, and managing reports **straight-forward & simple**.



ON-BOARD
PRPD ANALYSIS

HETERODYNED AUDIO
OUTPUT WITH BLUETOOTH
HEADPHONE CONNECTIVITY

MULTIPOINT
DEFECT DETECTION

IP40 RATED
COOLING PLATE

GIS INTEGRATION GIVES
THE OPTION TO TIE GPS
LOCATION TO REPORTS

VIEW SPECTRUM
IN REAL TIME

5-HOUR BATTERY LIFE - COMES
WITH AN EXTERNAL BATTERY
FOR EXTRA LONG SURVEYS

LIGHTWEIGHT &
ERGONOMIC DESIGN

LONG-DISTANCE OPTICAL
CAMERA & TWO-FINGER ZOOM
PROVIDES CRISPER IMAGERY
FOR INSPECTIONS

112 NEXT GEN DIGITAL MEMS SENSORS
EQUIP SONAVU+ WITH BEST-IN-CLASS
DETECTION DISTANCE
[UP TO 200 METERS]



AIR, GAS & VACUUM LEAKS



PARTIAL DISCHARGE



MECHANICAL ANOMALIES



FUGITIVE EMISSIONS

AIR, GAS, & VACUUM LEAK DETECTION

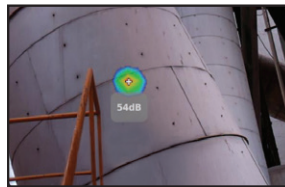
Differential Pressure Causes Ultrasonic Turbulence

The **SonaVu+** brings leaks into focus. Next gen Digital MEMS Sensors provide improved sensitivity & detection distance, plus a long-distance optical camera, two-finger zoom, and improved resolution set a new standard for **acoustic imaging** reporting.

Eliminate wasteful, inefficient, unsustainable & sometimes hazardous leaks from your processes with the **SonaVu+ Acoustic Imaging Camera**.



Compressed Air Leak on an Isolation Valve



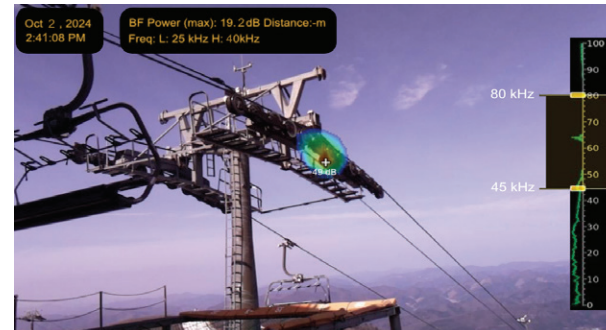
Vacuum Leak on a Cement Kiln

MECHANICAL FAULT DETECTION

Detect Excess Friction & Impacting

The **SonaVu+** is an effective condition monitoring tool for pinpointing mechanical anomalies on pulleys, belts, chains, drives, and open faced bearings.

By combining **real-time frequency data** with the **heterodyned audio output**, ultrasound inspectors can analyze acoustic imagery like never before.



ELECTRICAL SYSTEM RELIABILITY

When Electrical Assets Fail... Nothing Else Matters

Ultrasound is an effective condition monitoring tool for pinpointing common medium and high-voltage electrical system defects such as **arcing, tracking, partial discharge** and **corona**.

The long distance detection capabilities of the SonaVu+ help it safely identify electrical failures from great distances, even outdoors.

On-board PRPD Analysis can diagnose different electrical faults based on the high-frequency ultrasound patterns they produce.



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PRODUCT SPECIFICATIONS:

Sensors:	112 Digital MEMS Sensors
Detection Modes:	Audible, Ultrasonic, Custom
Effective Frequency Range:	2 – 100 kHz
Max Sampling Rate:	200 kS/s
Detection Distance:	0 – 220m
Display:	5" (800 x 480 px)
Image Resolution:	1024 x 600 px
Digital Zoom:	Two-Finger 3 x Zoom
Audio Output:	Wired or Bluetooth 5.0
Battery Life:	5 Hours
IP Rating:	IP40
Battery:	Rechargeable Li-ion (48.24 Wh)
Dimensions:	23.7 cm x 14.6 cm x 5.6 cm
Weight:	1.1 kg (2.43 lb) Including Battery
Operating Temperature:	-20°C – 50°C
Memory Capacity:	21GB (8400 JPG's / 20 Hrs of Video)
File Formats:	JPG, MP4, WAV
Data Transfer:	USB-C, Bluetooth 5.0 Support

Minimum Leak Rate:

Distance:	1m (1.9 yards)
Pressure:	0.02 bar (0.29 PSI)
Flow:	38 cc/min (0.00116 CFM)

Acoustic

Measurements:	Detection Threshold
2kHz:	2.34 dB SPL
20kHz:	2.22 dB SPL
40kHz:	1.90 dB SPL
55kHz:	1.22 dB SPL
77kHz:	1.84 dB SPL
100kHz:	20.10 dB SPL

USA OFFICE:

203 Commerce Blvd
 Anderson, SC, 29625
 1-864-568-0712
 HearMore@sdtultrasound.com

CANADIAN OFFICE:

7677 County Road 2
 Cobourg, ON, K9A 0X4
 1-800-667-5325
 HearMore@sdtultrasound.com