



BRING RELIABILITY INTO **FOCUS**

PRODUCT SPECIFICATION:

|                        |                                            |
|------------------------|--------------------------------------------|
| Sensors:               | 112 Digital MEMS - Next Gen Channel        |
| Dimensions:            | 237 mm x 146 mm x 56 mm                    |
| Weight:                | 1.1 kg (2.43 lb) Including Battery         |
| Operating Temperature: | -20°C to 50°C (-4°F to 122°F)              |
| IP Rating:             | IP40                                       |
| Detection Distance:    | 0.01m-220m                                 |
| Operating System:      | Linux                                      |
| Processor:             | Quad Core Cortex-A72                       |
| Battery Life:          | 5-hours, 2 hours Charging Time             |
| Display:               | 5 inch LCD Capacitive Touchscreen 1024x600 |
| Digital Zoom:          | Two-Finger 3X Zoom                         |
| Frame Rate:            | 25 FPS                                     |
| Data Transfer:         | USB-C, Bluetooth 5.0 Support               |
| Memory:                | 21GB (8400 JPG's / 20 Hrs of Video)        |
| Charging Station:      | AC 110-220V/DC 3.3-12V adapter             |
| File Formats:          | JPG, MP4, WAV                              |

|                              |                                                                                                               |
|------------------------------|---------------------------------------------------------------------------------------------------------------|
| Sample Rate :                | 200 Kps                                                                                                       |
| Effective Frequency Range :  | Range 2 kHz upto 100 kHz                                                                                      |
| Microphone Sensitivity :     | -45 dBFS                                                                                                      |
| Signal to Noise Ratio :      | > 40 dB (A) SNR = Excellent Signal                                                                            |
| Sound Pressure Sensitivity : | ≥0.83 cc/sec (50 cc/min) at 1m<br>≥1.83 cc/sec (110 cc/min) at 10m<br>max Sound Pressure can detect at 120 db |
| Detection Distance:          | 0.01 m up to 220 m with PD Source 50dB (test and action prove when deliver the goods)                         |

|                        |                                       |
|------------------------|---------------------------------------|
| 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                  |
| Battery Type :         | Rechargeable Lithium ion battery pack |



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Time Signal and Spectrum Output Data

Date/Time of measurement, Amplitude (dB), Display Base (dB), Image Range value (dB), Amplification value (dB), Frequency Band (kHz), Image Mean Setting, Estimated Flow Rate (LFE) index value



Safety Certification :

2011/65/EU; ROHS  
2014/30/EU; Electromagnetic Compatibility Directive (EMC)  
EN 5032:2015/AC:2016 or EN 55035:2017, and  
EN 61000-3-2:2014 or EN 61000-3-3:2013  
2-3 of Article 58 of the Radio Wave Act  
Article 58-2 of Radio Waves Art.)  
FCC Part 15 Subpart B, Class A



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BRING  
RELIABILITY  
INTO  
FOCUS

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**. It blends auditory & visual senses like no camera before while boasting many improvements to performance, quality, durability, and UI design.

When combined with the **SonaVu InSights™** Reporting Application, acoustic images can be uploaded, stored, organized, and managed into **straight-forward** and **actionable** reports.

ON-BOARD  
PRPD ANALYSIS

HETERODYNED AUDIO  
OUTPUT WITH BLUETOOTH  
HEADPHONE CONNECTIVITY

MULTIPOINT  
DEFECT DETECTION

IP40 RATED  
COOLING PLATE

CLOUD-BASED AI  
ANALYSIS IMPROVES  
REPORTING EFFICIENCY

GIS INTEGRATION GIVES  
THE OPTION TO TIE GPS  
LOCATION TO REPORTS

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

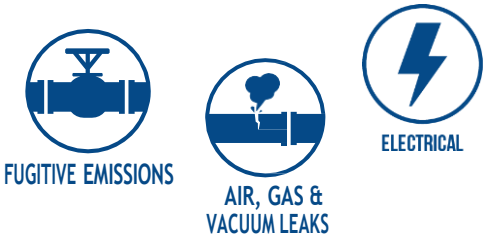
5-HOUR BATTERY LIFE - COMES  
WITH AN EXTERNAL BATTERY  
FOR EXTRA LONG SURVEYS

112 DIGITAL MEMS - NEXT GEN CHANNEL  
SENSORS EQUIP SONAVU+ WITH BEST-IN-CLASS  
DETECTION DISTANCE  
[0.01 TO 220 METERS]

LIGHTWEIGHT &  
ERGONOMIC DESIGN



**Feature :** LED Flash, Distance Range Sensor, Real-Time Visualization of Sound while recording, Desired Frequency Range Filtering for directionality, Video and Image Storage, Improved Accuracy according to the Distance



Air, Gas, & Vacuum Leak Detection

Differential Pressure Causes Ultrasonic Turbulence

The **SonaVu+** brings leaks into focus. With its improved sensor sensitivity and expanded detection frequency range, it can pinpoint leaks from across the factory floor.

Next gen **Digital MEMS Sensors** provide users with the most accurate leak flow rate measurements, enhancing reporting and cost estimation analysis.

**Compressed air** and **gas leaks** are wasteful, inefficient, unsustainable, and sometimes dangerous.

**Vacuum leaks** are the cause of lots of unplanned downtime and contaminated production processes in many industries.

**Fugitive emissions** can be environmentally hazardous, not to mention extremely expensive.

**Invisible steam leaks** are extremely dangerous with the potential to burn skin and melt clothes, while also being wasteful, and causing corrosion.



Electrical System Monitoring & Reliability

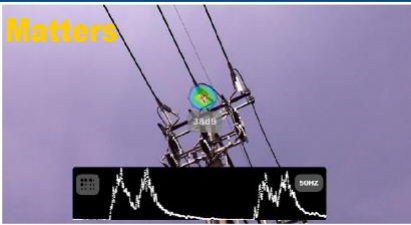
When Electrical Assets Fail... Nothing Else Matters

Electrical asset failures not only cost millions of dollars a year in downtime, but they also have the potential to maim and kill.

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 help **SonaVu+** safely identify electrical failures from great distances. It is especially effective at performing outdoor surveys.

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



**Accessories and Special Feature :** Hardcase, Headphone, Adjustable hand strap, USB C to C Cable, Adapter 220VAC, Leak Strength Index (with Indicates the estimated strength of the Leak)