




# NL CAMERA FOR AIR LEAKS



## DO YOU KNOW WHERE YOUR BIGGEST MONEY LEAKS COME FROM?

With the NL Camera for air leak detection, you can pinpoint leaks, save energy and money, and ensure the reliability of your operation.

### Did you know that...

-  Air leaks waste up to 50% of compressed air, the most expensive utility.
-  Air leaks can cause losses of several 100,000 dollars per year in a single factory.
-  Drops in system pressure, shorter equipment service life, unscheduled downtime, and potential safety hazards are all consequences of undetected air leaks.

**Solution:**  
The NL Camera for Air Leak Detection







# NL CAMERA

## Saves money and improves energy efficiency

- Pinpoints tiny leaks and shows leak size and cost estimate
- More accurate and faster than other leak detectors and methods

## Data for maintenance, repair plans, and ISO 50001-compatible reporting

- The machine learning-powered NL Cloud service offers advanced analytics and reports

## Speeds up audits & requires minimal training

- Scans large areas quickly
- Easy to use
- Fits any stage of your maintenance cycle

## Acoustic Specifications

Acoustic measurement	124 low-noise MEMS microphones, real-time sound visualization
Dynamic range, low limit	Below -15 dB (frequency-dependent)
Dynamic range, high limit	120 dB (frequency-dependent)
Bandwidth	2–65 kHz
Measurement distance	From 0.3 m (1.0 ft) up to and above 130 m (430 ft)
Leak rate	In typical industrial environment: >0.032 l/min @ 3 bar from 3 m (9.8 ft) >0.05 l/min @ 3 bar from 10 m (32.8 ft) Absolute minimum detection in quiet environment: 0.016 l/min @ 1.2 bar from 0.3 m (1.0 ft)
Leak localization & detection	Automatic leak recognition

## User Interface

Display	5 in, 800 × 480 resistive touchscreen
Brightness	1000 cd/m <sup>2</sup> (adjustable)
Snapshot resolution	800 × 480
Frame rate	25 fps (optical image) / 30 fps (acoustic image)
Zoom	2x digital zoom

## Communication and Data Storage

Wireless data transfer	IEEE 802.11.b/g/n/ac
Storage, internal	32 GB/999 snapshots
Storage, external	8 GB USB mass storage, 500 snapshots (typical)

## Supported Languages

Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Vietnamese

## NL Analytics & Features

Leak detection	Automatic, real-time leak recognition
Leak size & cost estimate	Automatic, real-time, on-device estimate
ISO5001-compatible reporting	In the NL Cloud and NL Camera Viewer Pro software
Video recording	Up to 5 minutes
Audio recording	Up to 5 minutes
Video resolution	1640 × 1232
Video frame rate	15 fps

## Power Specifications

Camera power input	Nominal input voltage: 12 V <sub>dc</sub> Max input: 15 V <sub>dc</sub> , 2.5 A
Internal battery	Li-Ion 6 Wh (only for backup purposes)

## Environmental

Operating temperature	-10°C – +50°C (14°F – 122°F)
Storage temperature	-20°C – 70°C (-4°F – 158°F)
Charging temperature	0°C – +40°C (32°F – 104°F)
Humidity	Recommended 0–90%
Ingress Protection	IP51

## Physical data

Camera size & weight	273 × 170 × 125 mm (10.7 × 6.7 × 4.9 in), 980 g (2.2 lb)
Battery size & weight	90 × 145 × 65 mm (3.5 × 5.7 × 2.6 in), 985 g (2.2 lbs)
Total weight	2.9 kg (6.4 lb) (includes all accessories)