

Nix Mini 3

Product specifications - v1.0



Form factor

Weight	20g (0.7oz) (Accessories not included in weight)
Dimensions	25mm x 40 mm x 40mm (0.98" x 1.57" x 1.57")
Materials	Ultrasonically welded PC/ABS blend
Haptics and visuals	RGB feedback for charging and connection state
Features	Scratch-resistant glass lens Dust and splash resistant (IPX4 rated) Included lanyard for easy carrying

Performance

Measurement speed	1 reported scan per second
Optical resolution	Tristimulus colorimeter (CIEXYZ)
Spectral visible range	N/A
Repeatability	0.1 ΔE_{00} on white (D50, 2°, to mean of 10 measurements every 3 s on white, at a temperature of 23°C)
Inter-instrument agreement	<0.5 ΔE_{00} on a selection of wide gamut paint tiles
Temperature range	10°C – 35°C
Humidity	0% – 80% non-condensing

Optics

Measurement geometry	45°:0° optics
Measurement port	13 mm (0.59") diameter
Measurement aperture	N/A
Illumination spot size	N/A
Light source	2x High CRI, broad spectrum white LEDs
Adapters	N/A

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Calibration

- Each unit individually factory calibrated
- Integrated/automatic temperature compensation
- White diagnostics tile included for troubleshooting

Colorimetry data

- CIEXYZ, CIELAB, LCH(ab), RGB, CMYK, and more
- Illuminant: A, C, D50, D55, D65, D75, F2, F7, F11
- Observer: 2°, 10°

Software development kit

- Features device connectivity routines, commands to request measurements, and utilities to perform color conversions.
- For an up-to-date list of features and supported platforms, visit:
<https://www.nixsensor.com/nix-software-development-kit/>

Connectivity

- Bluetooth Low Energy
- Legacy USB CDC serial

Reflectance measurement

- Measurement Conditions:
- M2 – UV excluded – ISO 13655:2017

Battery life + charging

- USB C charging of internal lithium-ion battery
- 60 day (2 month) standby time per charge (device advertising on BLE)
- 3,000+ scans per charge

Packaging + accessories

- USB C charging cable
- Nix lanyard
- Diagnostics tile

Warranty + expected product lifespan

- 12 months from date of sale, warranty for manufacturer's defects (does not cover user damage)



For more information on the Nix Mini 3, visit [nixsensor.com](https://www.nixsensor.com) or email sales@nixsensor.com