



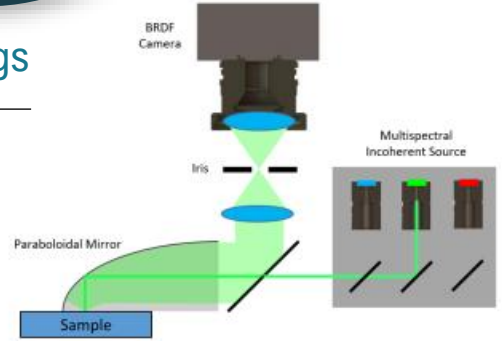
N A N O H M I C S

Field Portable BRDF Measurement System

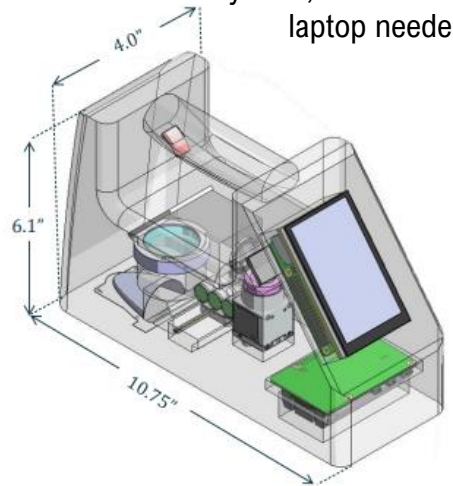
Reflectance measurement of materials and coatings

The field portable system instantly captures the hemispheric* Bi-directional Reflectance Distribution Function (BRDF) of a surface

- Measure and display complex reflectance profile in seconds
- Quality control for coating application
- Ensure coatings are properly maintained and replaced
- Monitor the environmental impact of dust and contaminants
- In-situ measurement of materials for modeling and CGI



Complete handheld system, no tethered laptop needed



SYSTEM OVERVIEW

Specification	Prototype Performance
Angular Resolution	0.18° / 0.01° (mean / min)
Dynamic Range	61.3 dB
Source Beam Angle of Incidence	0° - 80°
*Angular Field of View	+/- 90°; 95% Hemisphere
Weight	< 2.2 kg
Wavelength	520 nm, 635 nm (VIS-NIR customisable)
Measurement Time	≥ 1.2 s (50 image averages)
BRDF Processing Time	4.6 s

High Fidelity In-Situ BRDF

The handheld BRDF system enables place-and-click measurement of the full complex reflectance profile, eliminating hours of sample measurement in the lab. No other system delivers complete, high-fidelity BRDF measurement of surfaces in their natural environment