



Rhopoint PANTORA Aesthetix

Advanced Surface Appearance Measurement

Enhancing Digital Material Texture

Unlock the full potential of your product development and marketing with Rhopoint PANTORA Aesthetix—a breakthrough in high-definition surface texture measurement and 3D visualization. Designed for industries where appearance matters, the Rhopoint PANTORA Aesthetix solution empowers you to capture, analyze, and communicate the true look and feel of your materials with unprecedented accuracy.

Key Features of the Rhopoint PANTORA Aesthetix

- Reconstruct detailed 3D topography for plastics, textiles, and coatings with advanced camera technology.
- Capture fine detail of any surface with high-resolution measurement with 110 pixels per mm resolution, 1.5 x 1.5 cm area, 1557 x 1557 pixels.
- Quantify gloss, haze, roughness, and surface structure—all in one measurement.
- Create spectrally-accurate, high-definition AxF files for digital twins and virtual prototypes.
- Ensure precise measurement of sample with live view and observer camera.



A Comprehensive Appearance Solution

The Rhopoint PANTORA Aesthetix integrates seamlessly with X-Rite's Appearance solutions to enable advanced appearance measurement.

- Rhopoint PANTORA Aesthetix: Dual HDR camera-based surface characterization system with multiple light sources to capture detailed, real-world images for quantifying appearance qualities.
- PANTORA Appearance Software – Aesthetix License: Unique PANTORA License that pairs exclusively with Rhopoint PANTORA Aesthetix, which enables users to capture, store, manage, view and edit materials measured with their device and digitally exchange them via a vendor neutral Appearance Exchange (AxF) file format that integrates with most 3D rendering software.

Gloss and Appearance Quality Control

When you purchase a Rhopoint PANTORA Aesthetix device, it includes a license for the Surface Brilliance module in the Rhopoint Elements software. This module enables comprehensive surface brilliance quality inspection, supporting a seamless workflow from design to quality control. For additional information regarding Rhopoint or the Elements software, please contact Rhopoint.

Rhopoint PANTORA Aesthetix

Measurement Capabilities for Appearance Solution



Ci7800



MetaVue VS3200



MA-T12



AEX

	Ci7800	MetaVue VS3200	MA-T12	AEX
Spectral Measurement & Workflow	S	S	S	NS
Diffuse Color	L	S	S	NS
Normal	NS	L 11 pixel/mm	L 40 pixel/mm	S 110 pixel/mm
Specular Color	L	NS	S	NS
Roughness	NS	L	S	L
Height Information	NS	NS	NS	S
Anisotropy	NS	NS	NS	NS
Fresnel	NS	NS	NS	NS
Transparency	S	NS	NS	NS
Volumetric Scattering	S	NS	NS	NS
CarPaint with Effect Pigments	NS	NS	S	NS
Orange Peel/DOI	NS	NS	NS	S Future Pantora Support
Color/Tinted Clear Coat	L	NS	NS	NS

NS: Not Supported L: Limited (spot or low resolution) S: Supported

Training and Support

With extensive color expertise, X-Rite Pantone provides tailored onsite or online training and services to support your business. Contact us for reliable color solutions to meet your specific needs.

For more information about the Rhopoint PANTORA Aesthetix, please visit the product page on xrite.com/rhopoint-pantora-aesthetix