

ANSYS Optical in 2019 R3

Optical:

- This release further integrates optical simulation into the ANSYS environment. ANSYS **SPEOS** now includes meshed geometry support — which enables mesh data import from the multiphysics workflow — and head-up display (HUD) optical design, which generates the optimal layout and shapes for the best driver experience.
- SPEOS Live Preview offers more flexibility and ease of use. With one click, you can switch between true and false color, adjust the scale adaptation to fit with the results preview, select the sensor type for preview and much more.
- Also added is the SPEOS Road Library for Sensors Simulation. It contains retro-reflecting materials — asphalt, signs, paint, vegetation, etc. — which can be detected by any sensor.
- The release introduces new ambient and thermal source models for more realistic simulations of sky and sun environments. And, with a new feature for simulating rotating lidar, SPEOS facilitates quick field-of-view studies.
- SPEOS also delivers a more intuitive interface for an improved user experience.